Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\
Data File : BE091722.D
Acq On : 27 Apr 2016 12:34
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 28 03:11:33 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35678	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	163041	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	93932	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	242990	5.00	ng		0.00
26) Chrysene-d12	21.31	240	271130	5.00	ng		0.00
35) Perylene-d12	23.75	264	276969	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3218	0.37	ng		0.00
5) Phenol-d6	6.96	99	4020	0.35	ng		0.00
8) Nitrobenzene-d5	8.95	82	3691	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	955	0.43	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	10651	0.40	ng		0.00
29) Terphenyl-d14	19.76	244	17251	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1904	0.36	ng		94
3) n-Nitrosodimethylamine	3.65	42	2303	0.36	ng		95
6) bis(2-Chloroethyl)ether	7.21	93	3913	0.38	ng	#	77
9) Nitrobenzene	8.99	77	3750	0.34	ng		96
10) Naphthalene	10.61	128	13358	0.41	ng		96
11) Hexachlorobutadiene	10.92	225	2526	0.52	ng		89
12) 2-Methylnaphthalene	12.24	142	8218	0.39	ng		93
16) Acenaphthylene	14.12	152	14234	0.39	ng	#	75
17) Acenaphthene	14.47	154	9352	0.40	ng		89
18) Fluorene	15.46	166	11438	0.39	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	3374	0.39	ng		94
21) Hexachlorobenzene	16.45	284	3484	0.40	ng		98
22) Pentachlorophenol	16.79	266	1295	0.37	ng		92
23) Phenanthrene	17.18	178	22460	0.41	ng		99
24) Anthracene	17.27	178	18752	0.38	ng		99
25) Fluoranthene	19.19	202	22492	0.39	ng		97
27) Benzidine	19.38	184	6333	0.45	ng	#	79
28) Pyrene	19.55	202	25031	0.41	ng		99
30) Benzo(a)anthracene	21.29	228	26347	0.40	ng		94
31) 3,3'-Dichlorobenzidine	21.22	252	11818	0.35	ng	#	82
32) Chrysene	21.29	228	26336	0.38	ng	#	90
33) Bis(2-ethylhexyl)phthalate	21.20	149	6998	0.35	ng	#	87
34) Indeno(1,2,3-cd)pyrene	26.31	276	27057	0.44	ng		96
36) Benzo(b)fluoranthene	23.00	252	26672	0.41	ng		96
37) Benzo(k)fluoranthene	23.04	252	24369	0.37	ng		98
38) Benzo(a)pyrene	23.63	252	23195	0.38	ng		98
39) Dibenzo(a,h)anthracene	26.33	278	22141	0.38	ng		96
40) Benzo(g,h,i)perylene	27.09	276	23162	0.39	ng		95

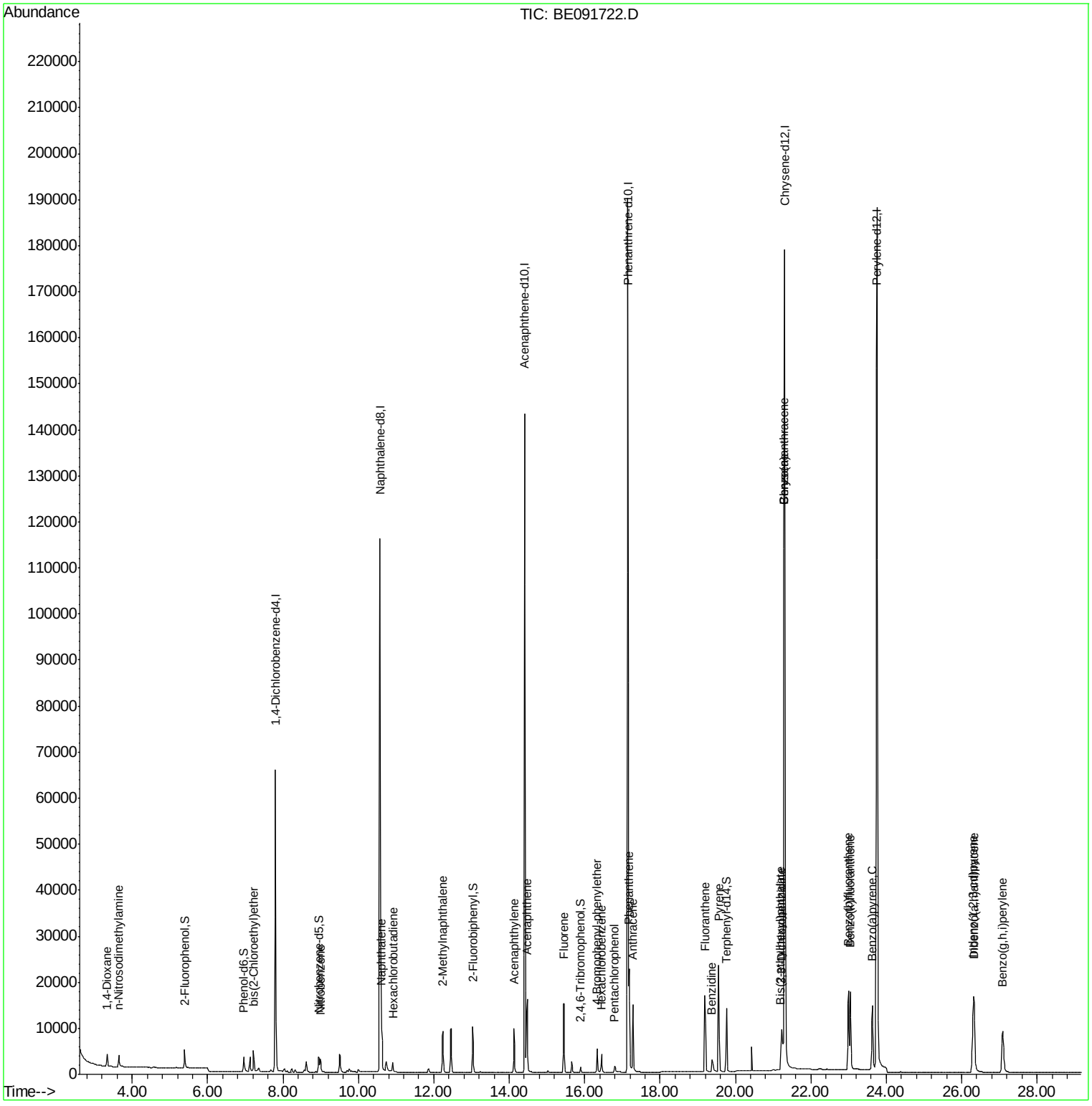
(#) = qualifier out of range (m) = manual integration (+) = signals summed

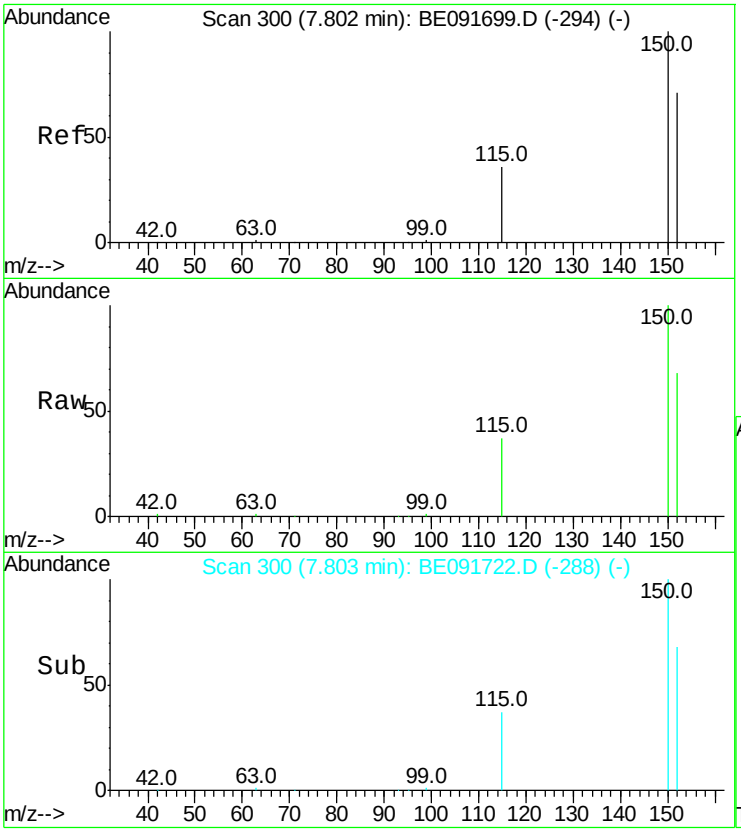
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\
Data File : BE091722.D
Acq On : 27 Apr 2016 12:34
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 28 03:11:33 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration



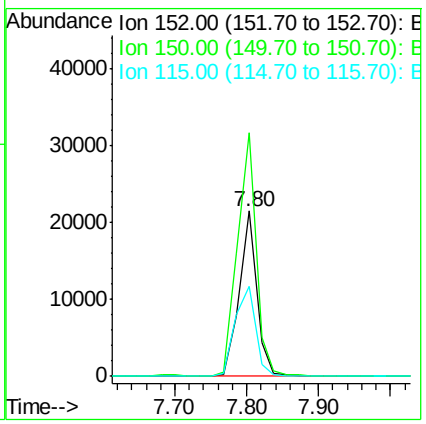


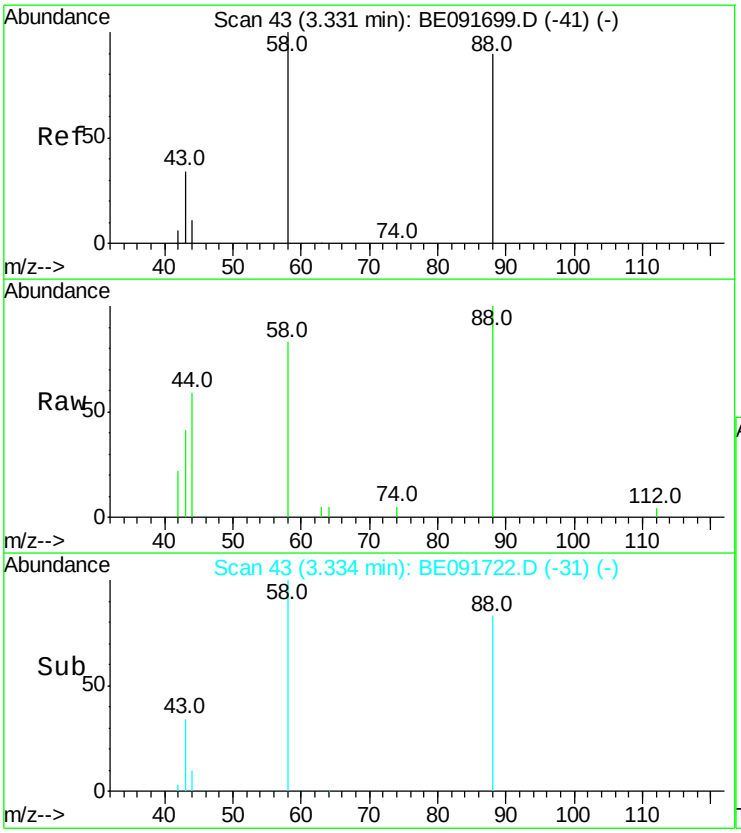
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 35678

Ion	Ratio	Lower	Upper
152	100		
150	147.1	122.6	183.8
115	54.2	52.8	79.2

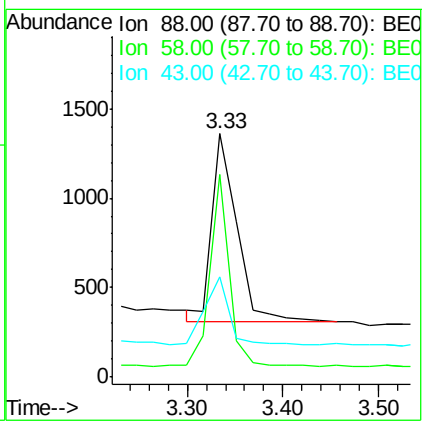


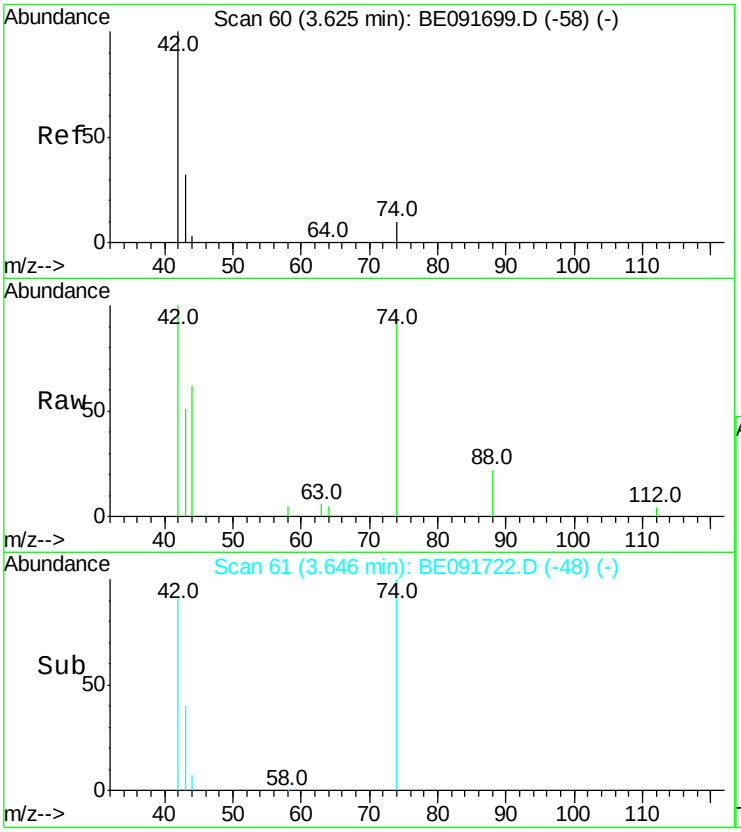


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion: 88 Resp: 1904

Ion	Ratio	Lower	Upper
88	100		
58	76.8	65.8	98.6
43	34.7	25.3	37.9



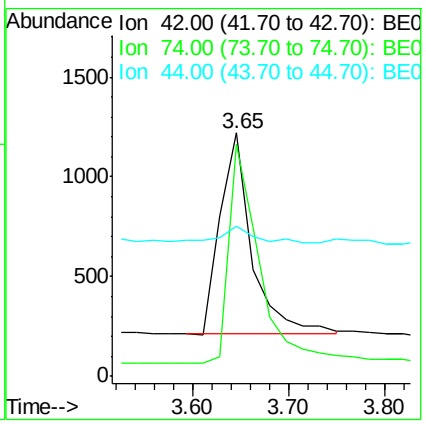


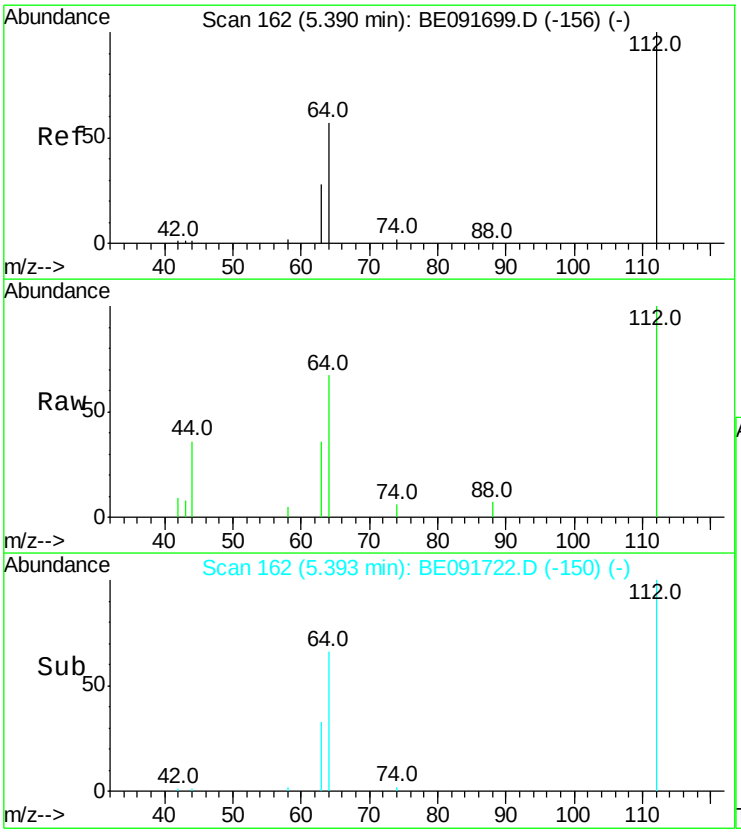
#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.65 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2303

Ion	Ratio	Lower	Upper
42	100		
74	104.5	87.9	131.9
44	9.4	6.6	9.8

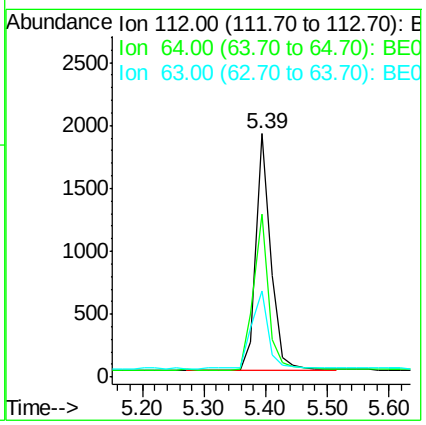


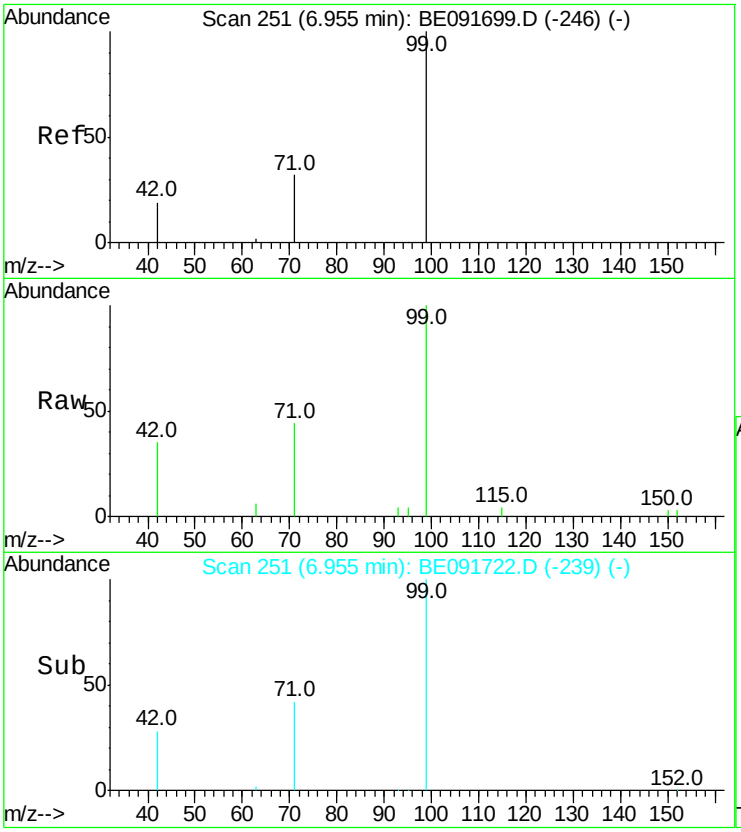


#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:112 Resp: 3218

Ion	Ratio	Lower	Upper
112	100		
64	66.6	30.9	46.3#
63	36.5	16.7	25.1#



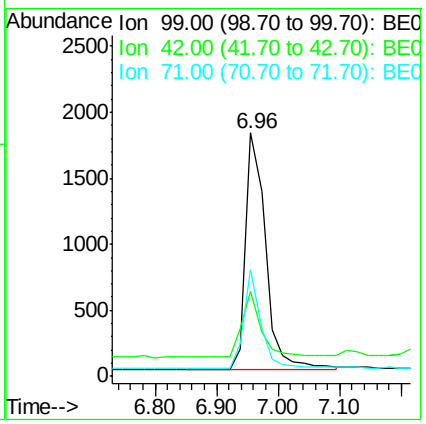


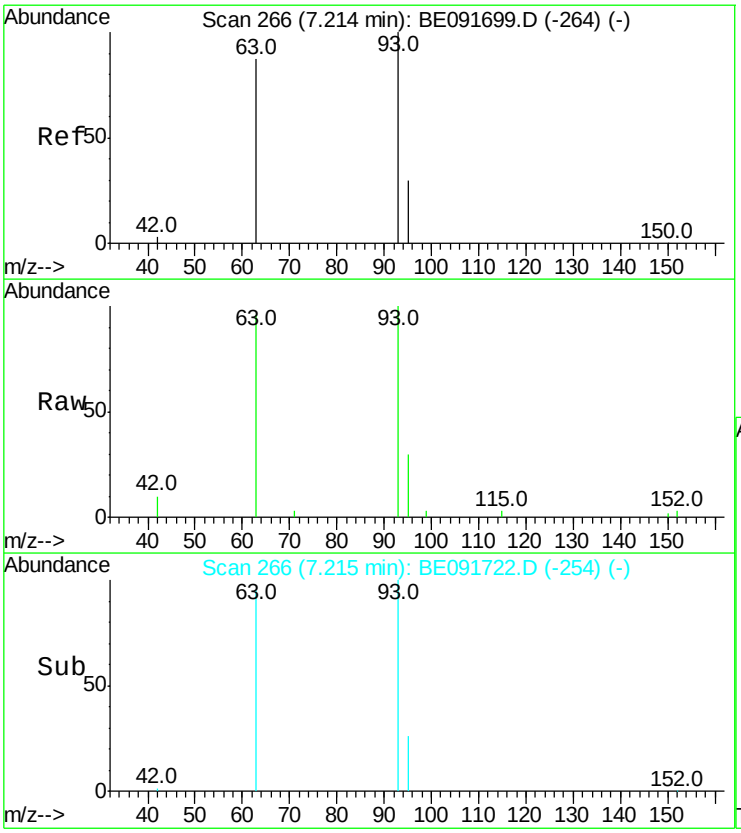
#5
Phenol-d6
Concen: 0.35 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4020

Ion	Ratio	Lower	Upper
99	100		
42	26.7	16.2	24.2#
71	36.0	29.0	43.4

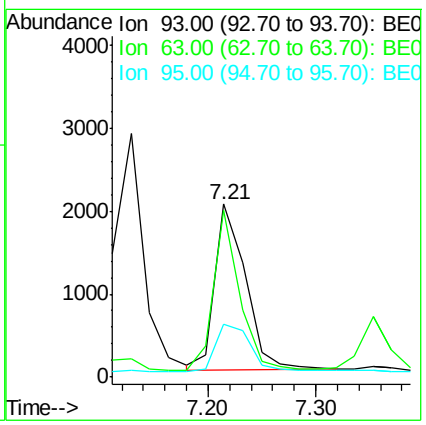


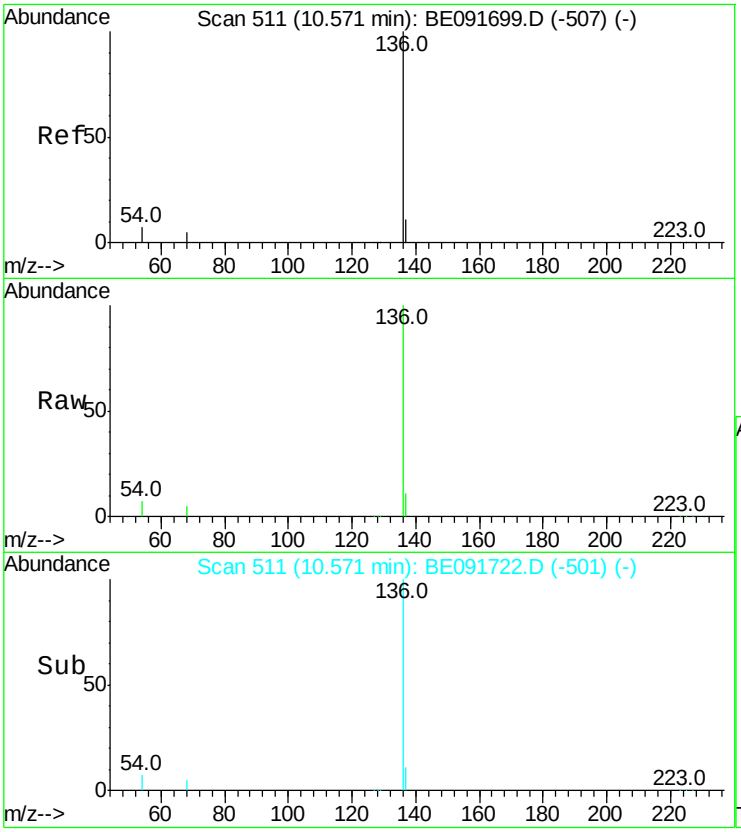


#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.21 min Scan# 266
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion: 93 Resp: 3913

Ion	Ratio	Lower	Upper
93	100		
63	84.2	49.5	74.3#
95	32.1	22.2	33.4



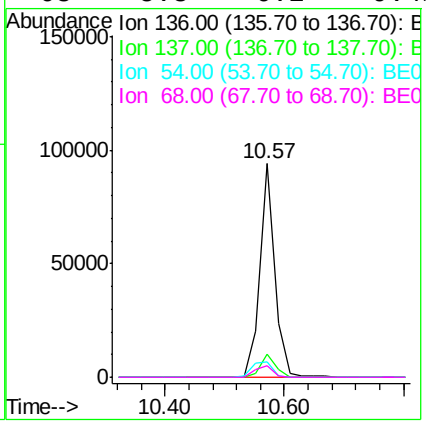


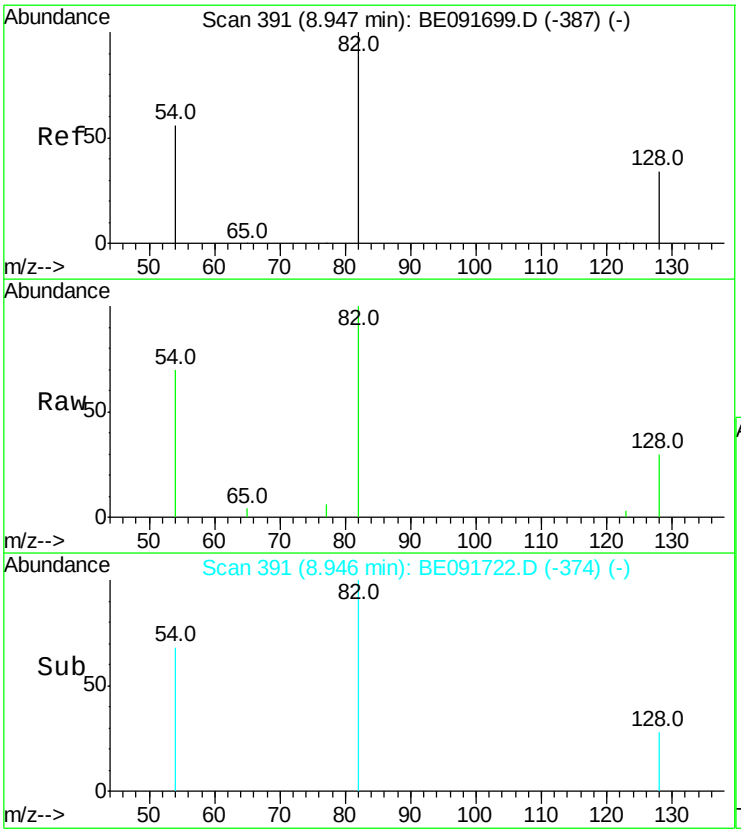
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 163041

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	8.2	12.4#
68	5.3	6.2	9.4#

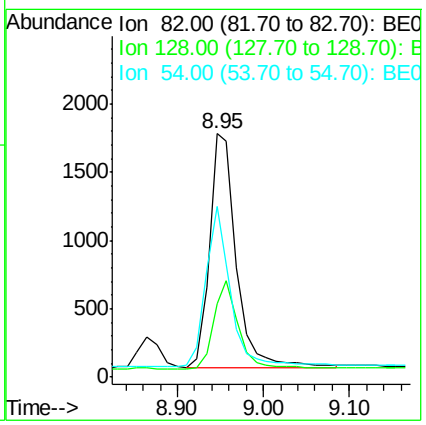


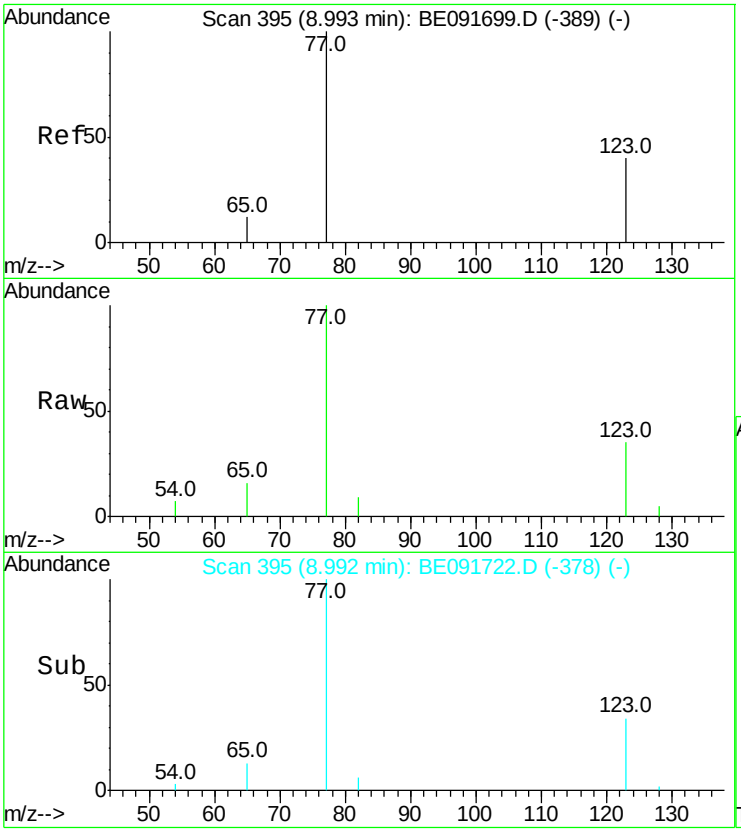


#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion: 82 Resp: 3691

Ion	Ratio	Lower	Upper
82	100		
128	30.2	25.4	38.0
54	70.1	48.4	72.6



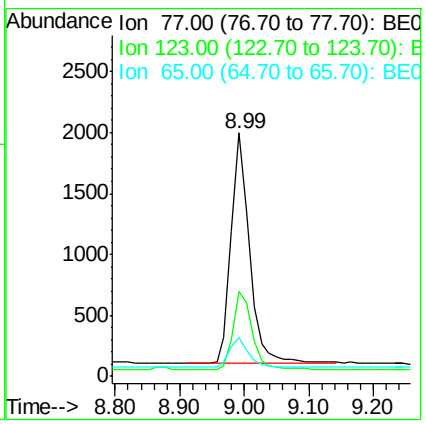


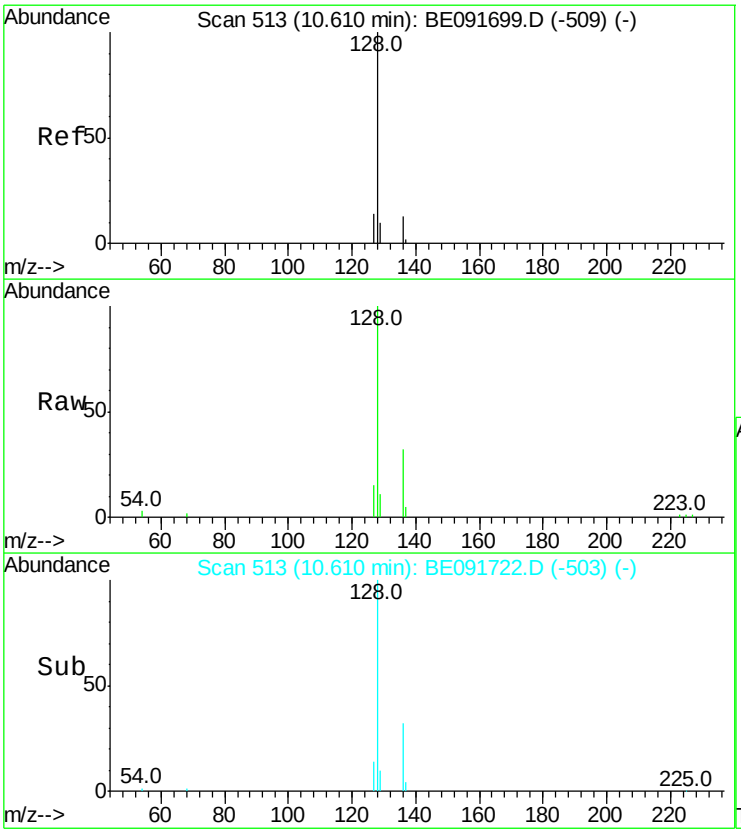
#9
Nitrobenzene
Concen: 0.34 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 77 Resp: 3750

Ion	Ratio	Lower	Upper
77	100		
123	36.1	26.9	40.3
65	13.1	9.4	14.2

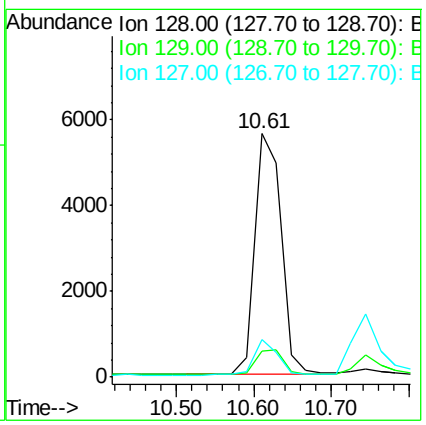


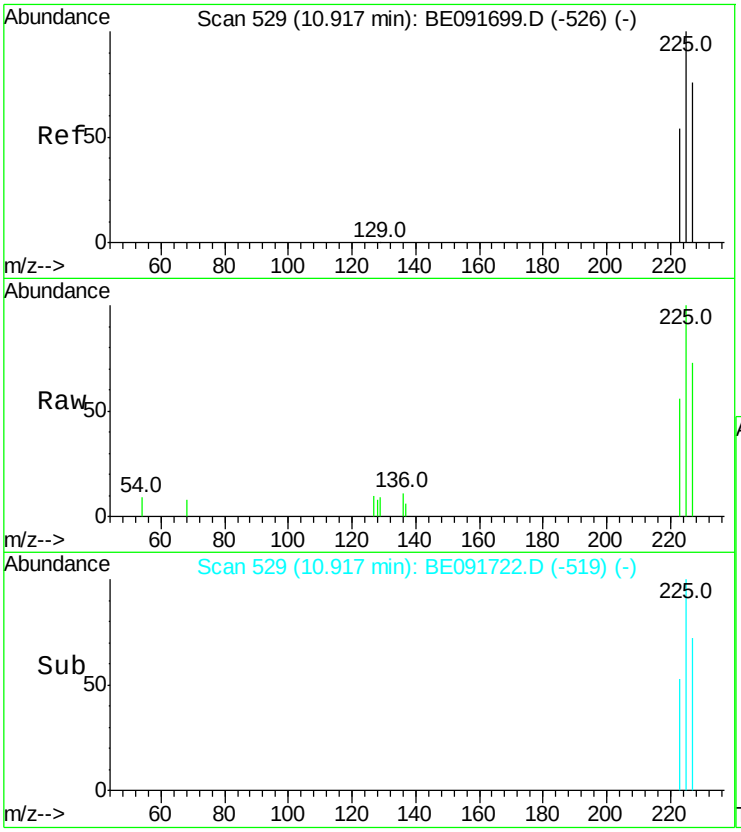


#10
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:128 Resp: 13358

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.3	13.9
127	15.3	10.7	16.1



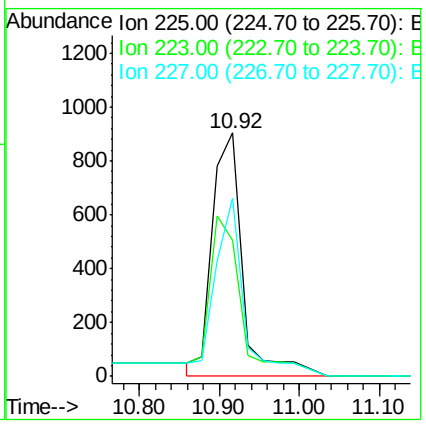


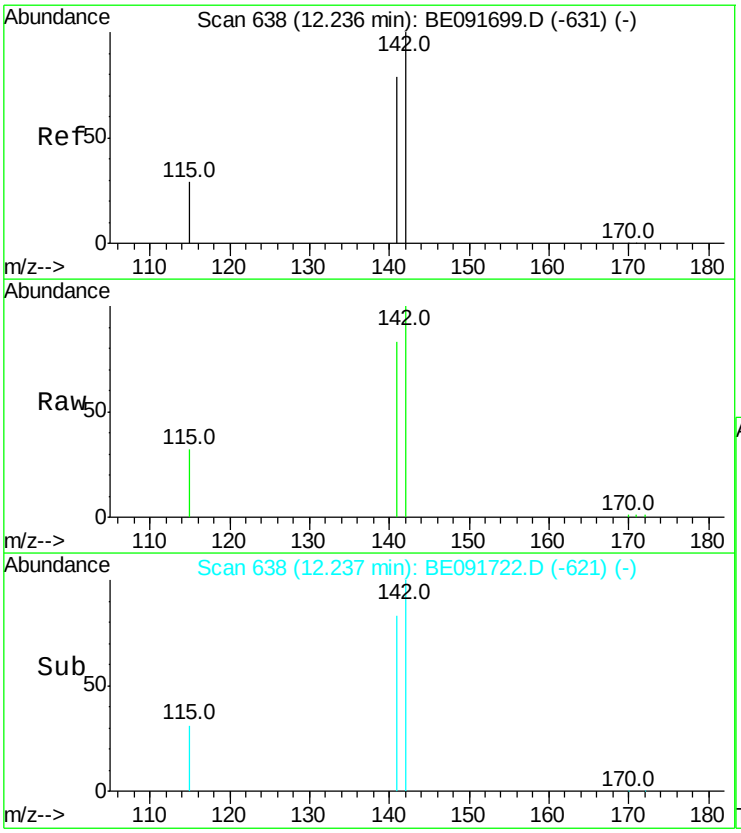
#11
Hexachlorobutadiene
Concen: 0.52 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:225 Resp: 2526

Ion	Ratio	Lower	Upper
225	100		
223	69.6	49.0	73.6
227	71.3	50.3	75.5

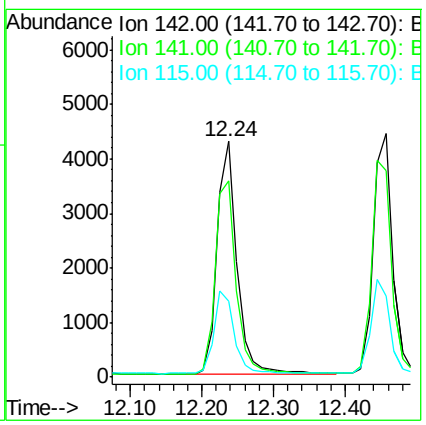


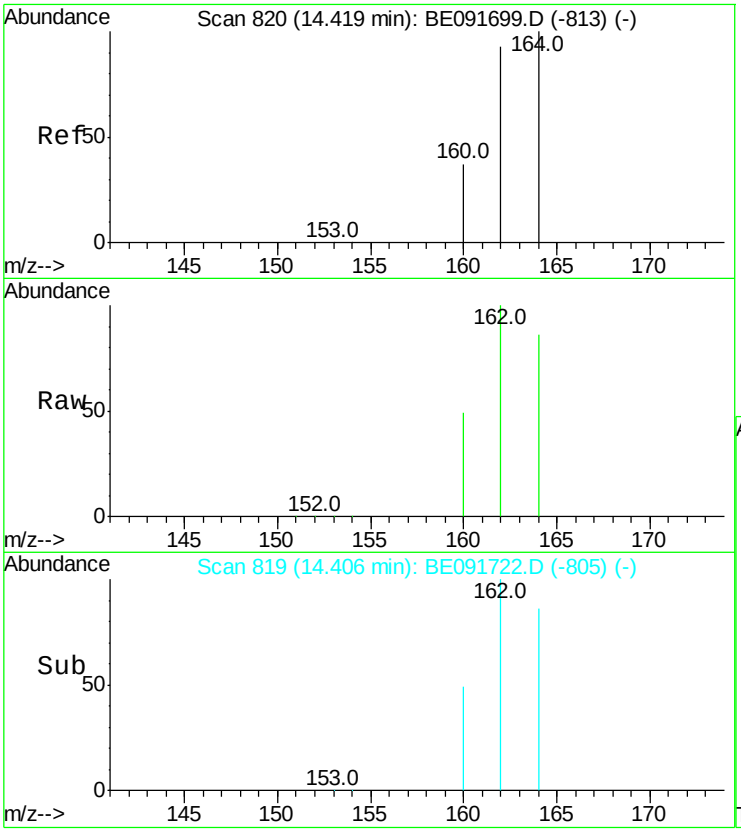


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:142 Resp: 8218

Ion	Ratio	Lower	Upper
142	100		
141	83.4	71.4	107.0
115	32.1	30.3	45.5



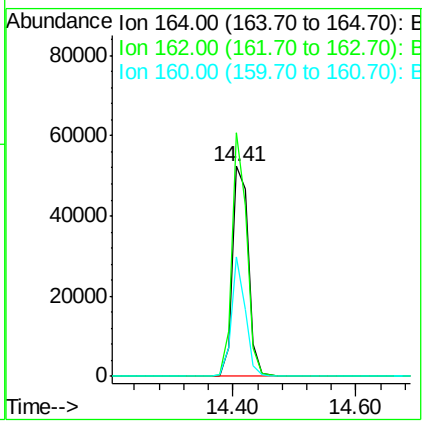


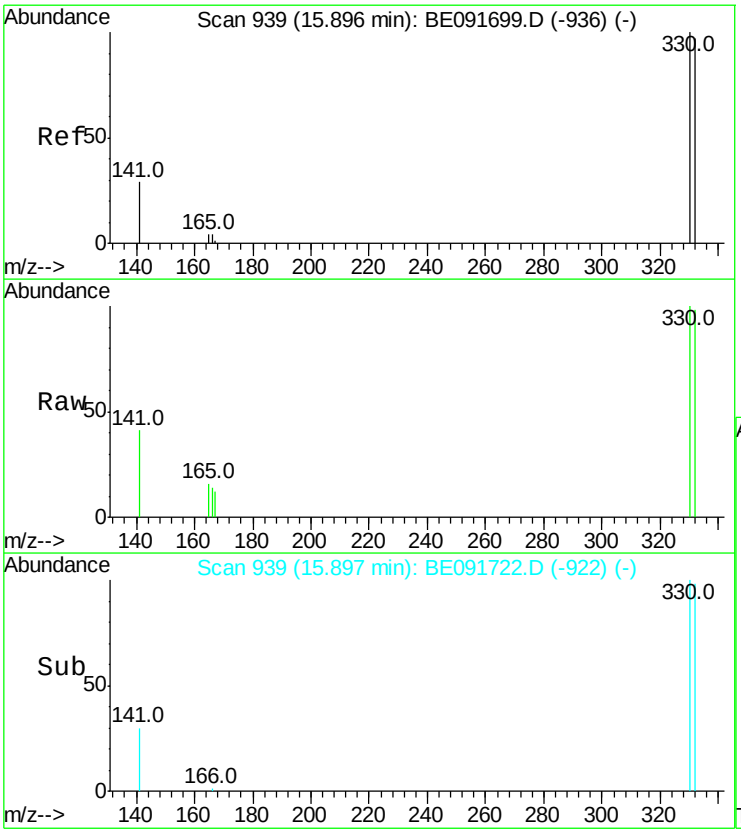
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 93932

Ion	Ratio	Lower	Upper
164	100		
162	115.8	85.3	127.9
160	57.0	46.2	69.2

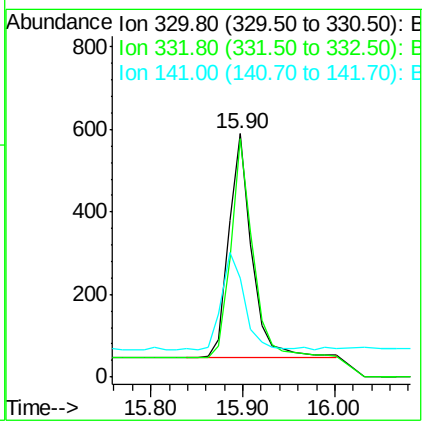


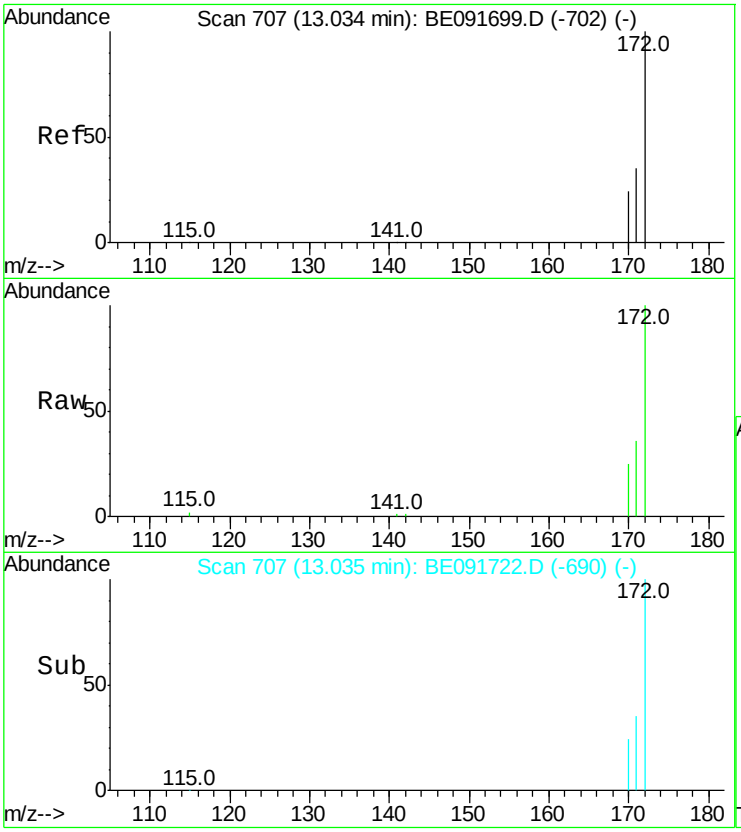


#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:330 Resp: 955

Ion	Ratio	Lower	Upper
330	100		
332	94.2	79.1	118.7
141	43.1	125.4	188.0#



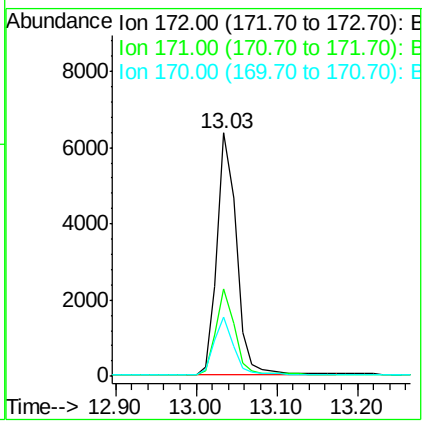


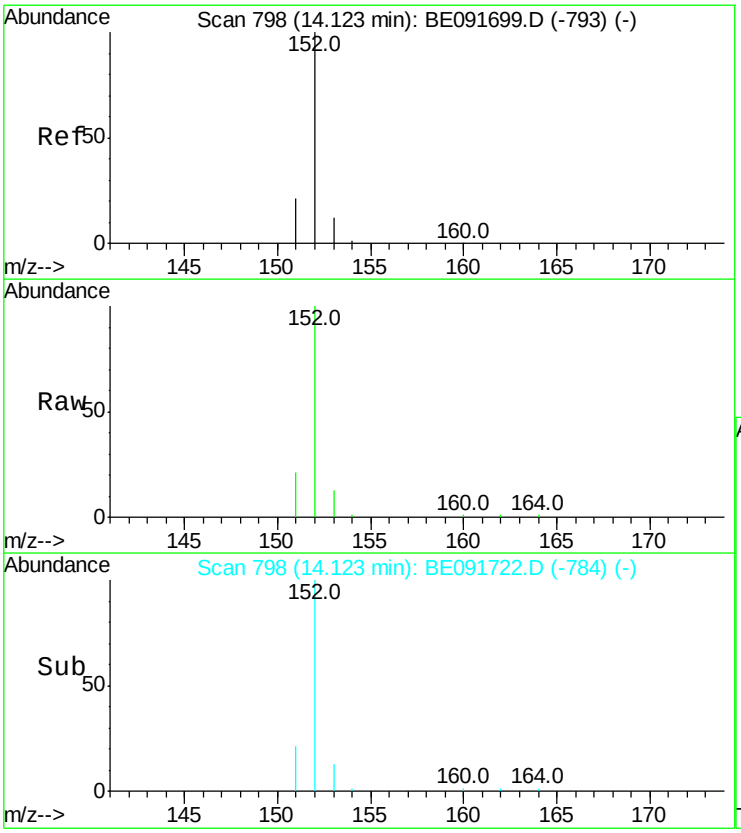
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 10651

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	24.5	19.3	28.9

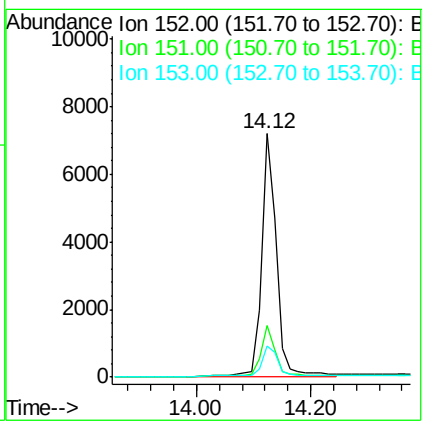


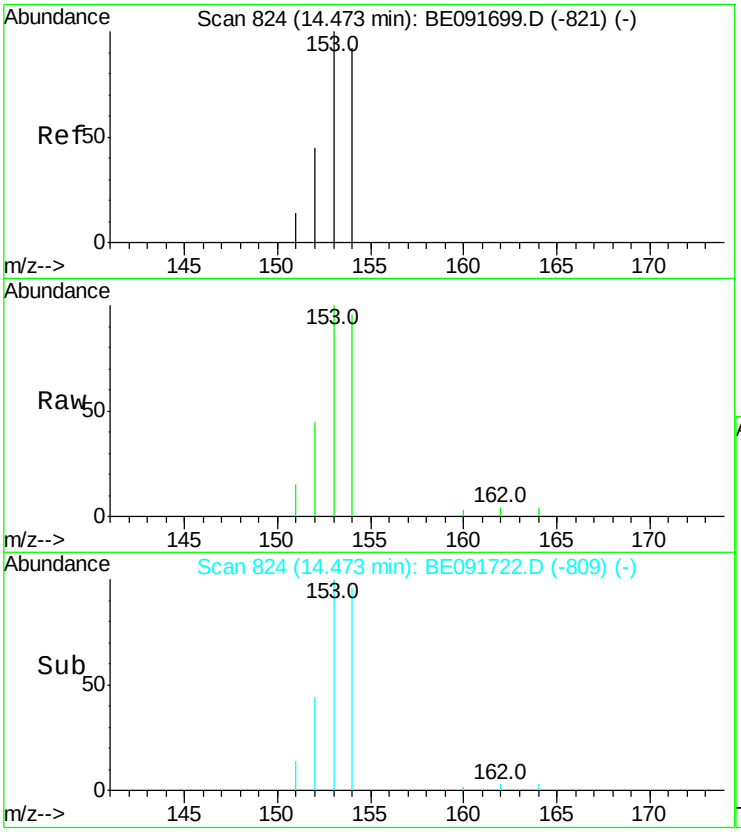


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:152 Resp: 14234

Ion	Ratio	Lower	Upper
152	100		
151	23.8	3.9	5.9#
153	18.0	10.3	15.5#



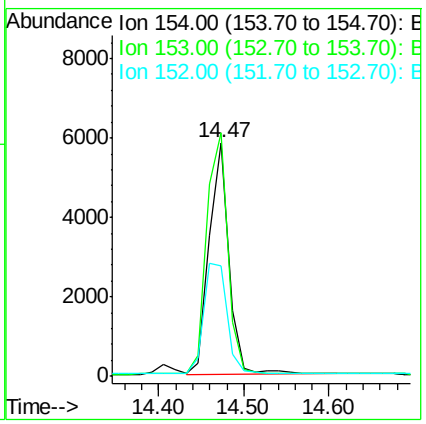


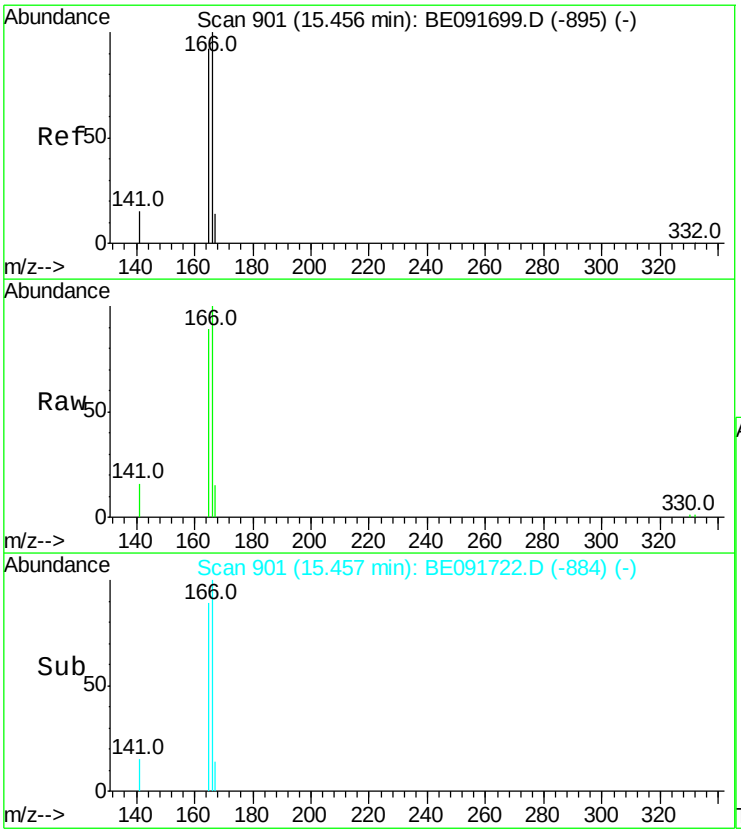
#17
Acenaphthene
Concen: 0.40 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9352

Ion	Ratio	Lower	Upper
154	100		
153	111.8	80.0	120.0
152	56.3	40.0	60.0

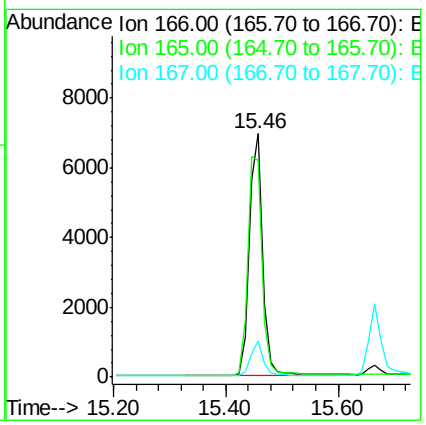


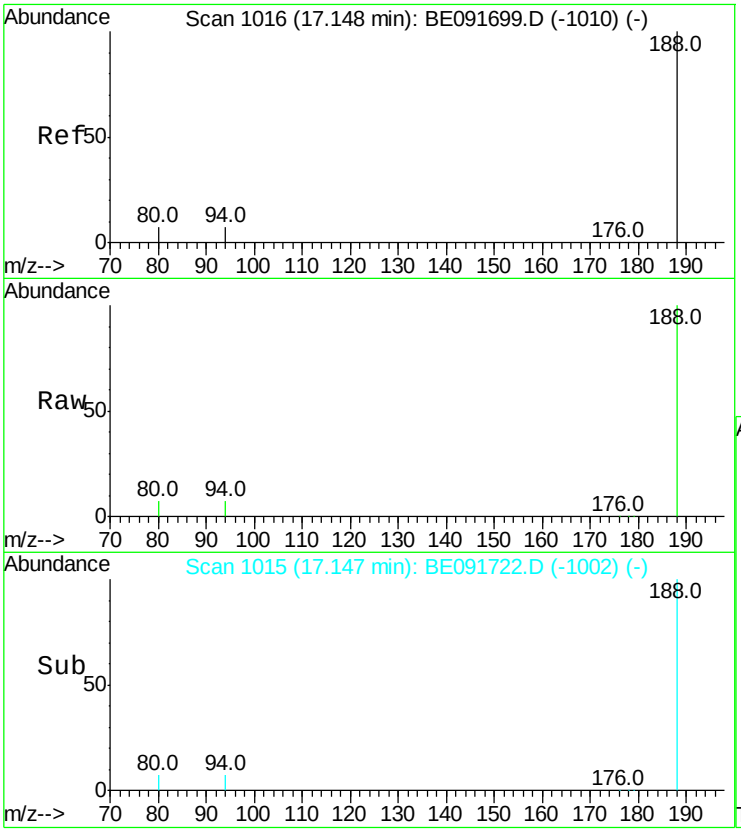


#18
Fluorene
Concen: 0.39 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:166 Resp: 11438

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.8	121.2
167	13.3	10.9	16.3



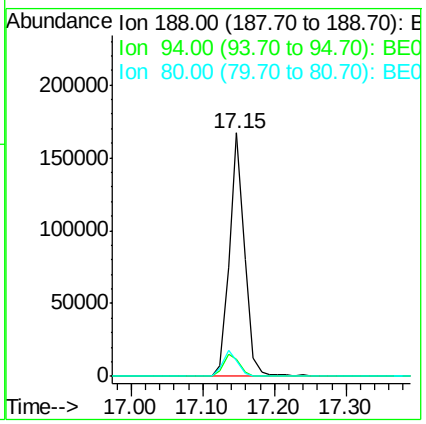


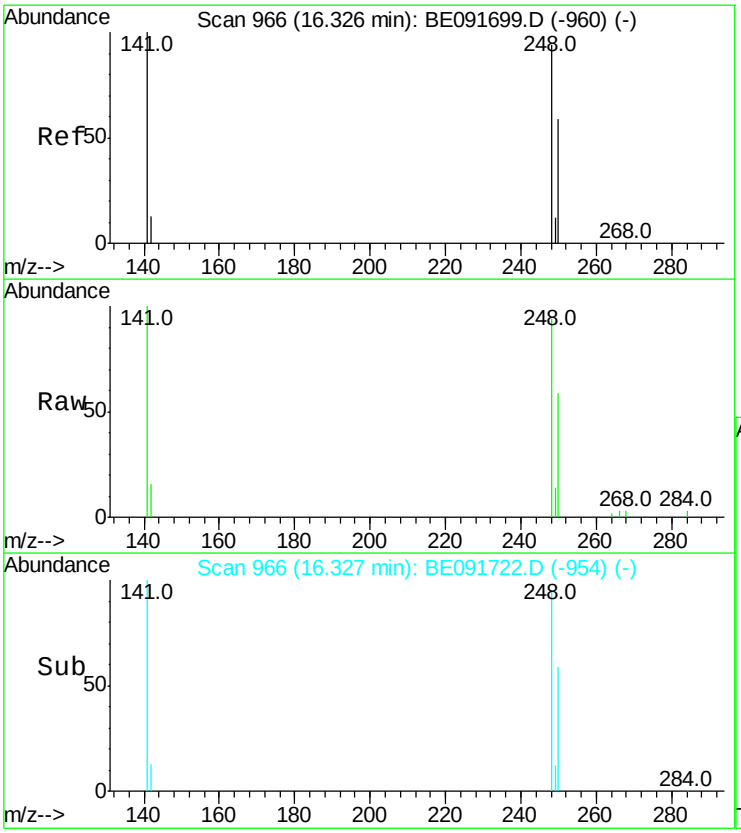
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 242990

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.7	13.1#
80	6.6	9.4	14.0#

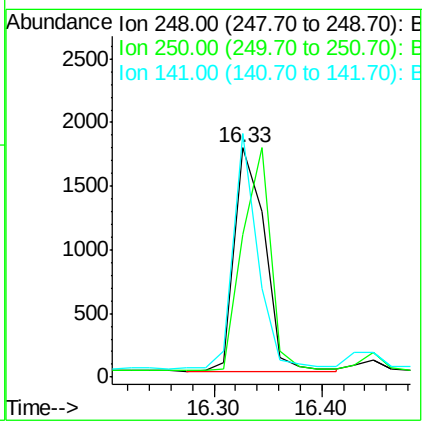


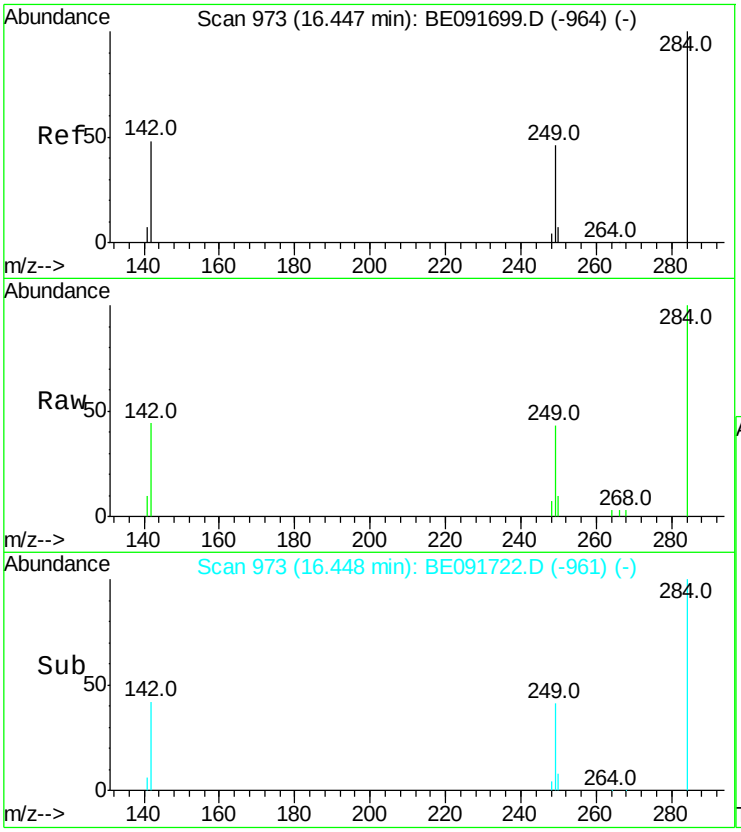


#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.33 min Scan# 966
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:248 Resp: 3374

Ion	Ratio	Lower	Upper
248	100		
250	95.0	80.5	120.7
141	84.9	72.0	108.0



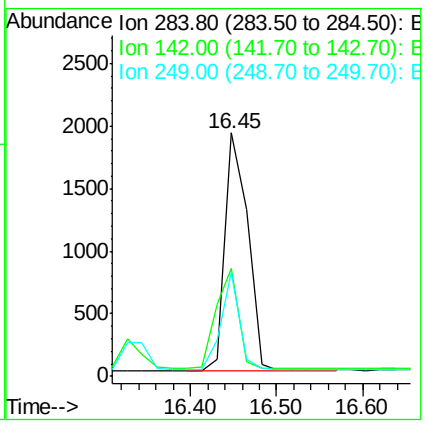


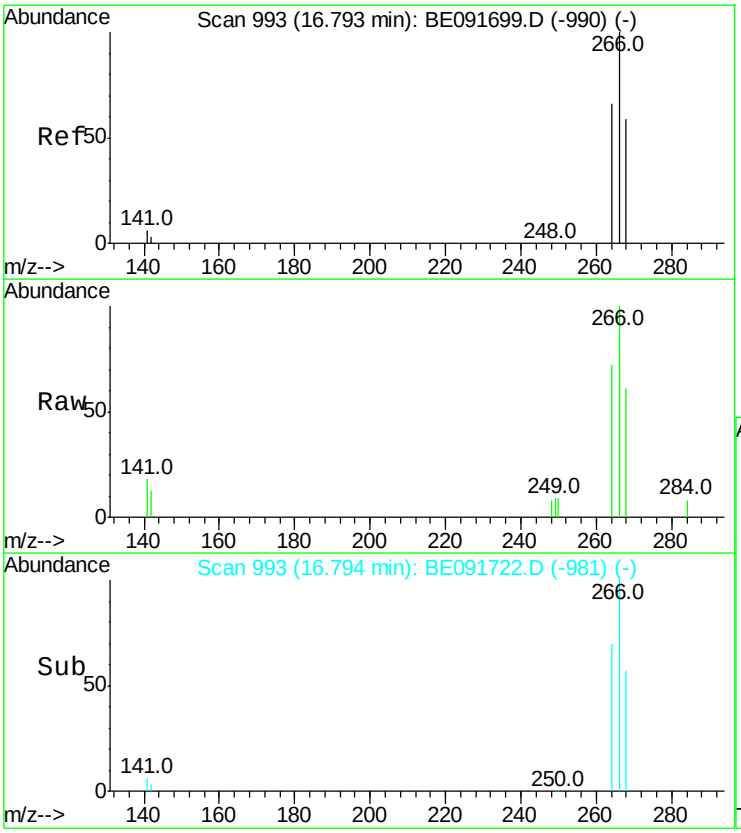
#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 3484

Ion	Ratio	Lower	Upper
284	100		
142	41.3	32.2	48.2
249	33.1	25.4	38.2

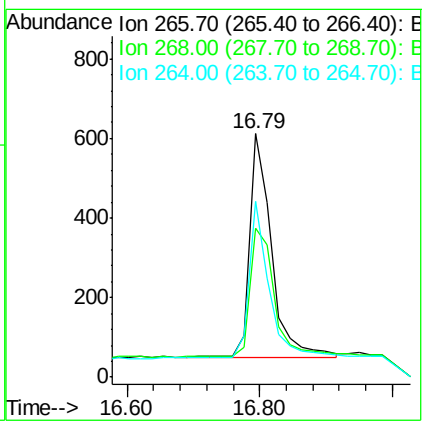


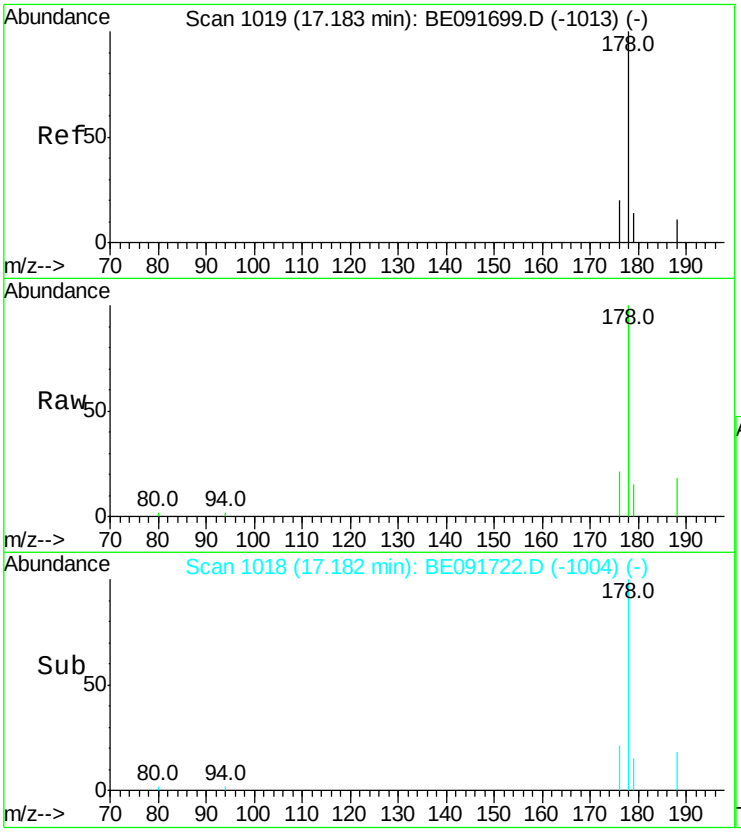


#22
Pentachlorophenol
Concen: 0.37 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:266 Resp: 1295

Ion	Ratio	Lower	Upper
266	100		
268	61.1	58.2	87.2
264	72.2	56.2	84.4



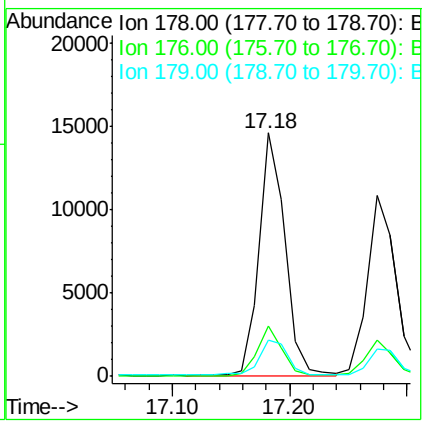


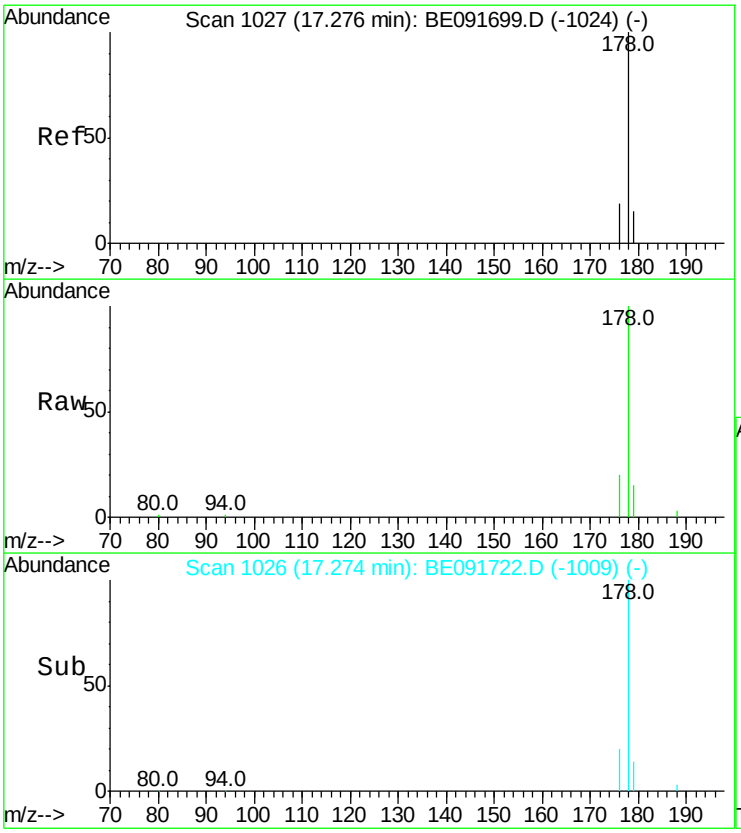
#23
Phenanthrene
Concen: 0.41 ng
RT: 17.18 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22460

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.1	12.6	18.8

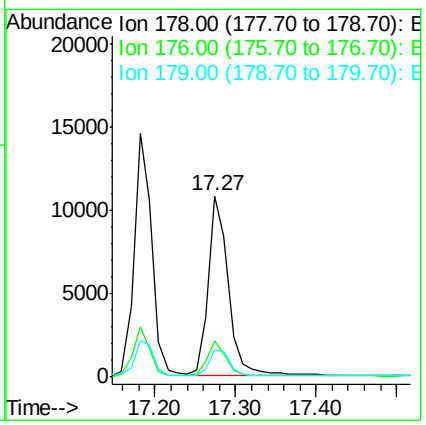


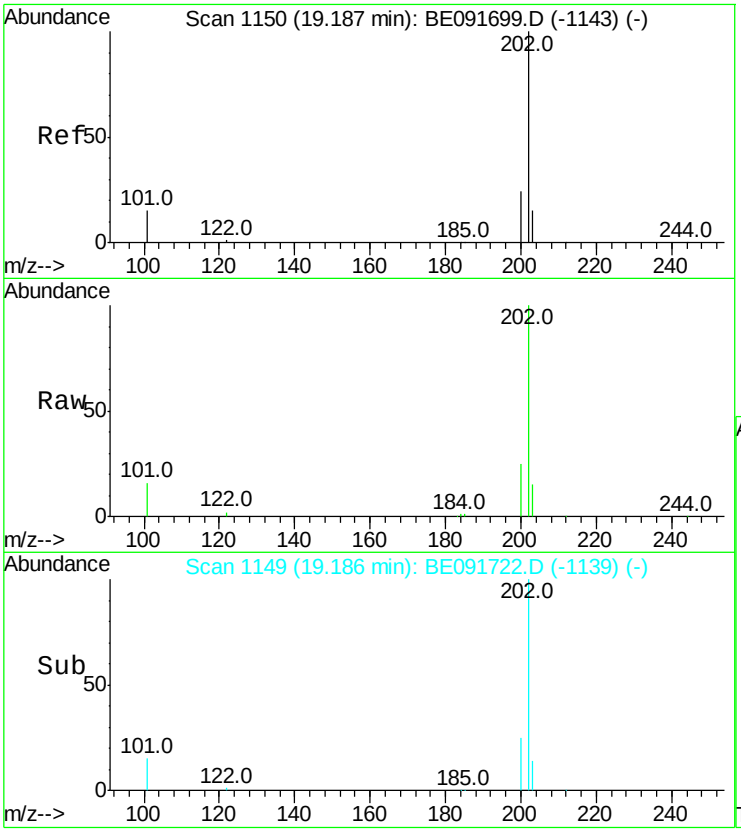


#24
Anthracene
Concen: 0.38 ng
RT: 17.27 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:178 Resp: 18752

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.4	11.8	17.6



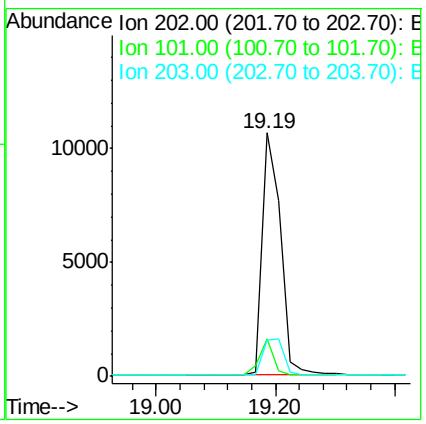


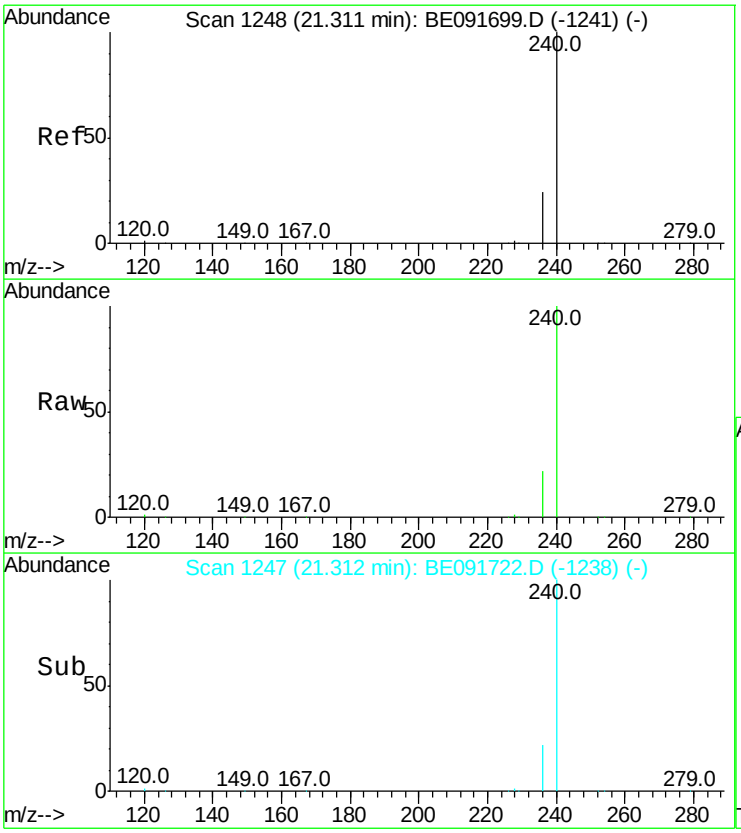
#25
Fluoranthene
Concen: 0.39 ng
RT: 19.19 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 22492

Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.0	16.6
203	17.1	13.9	20.9

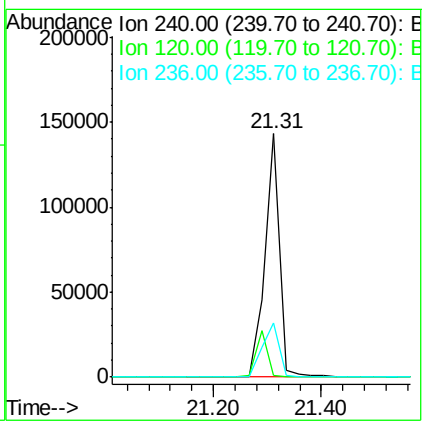


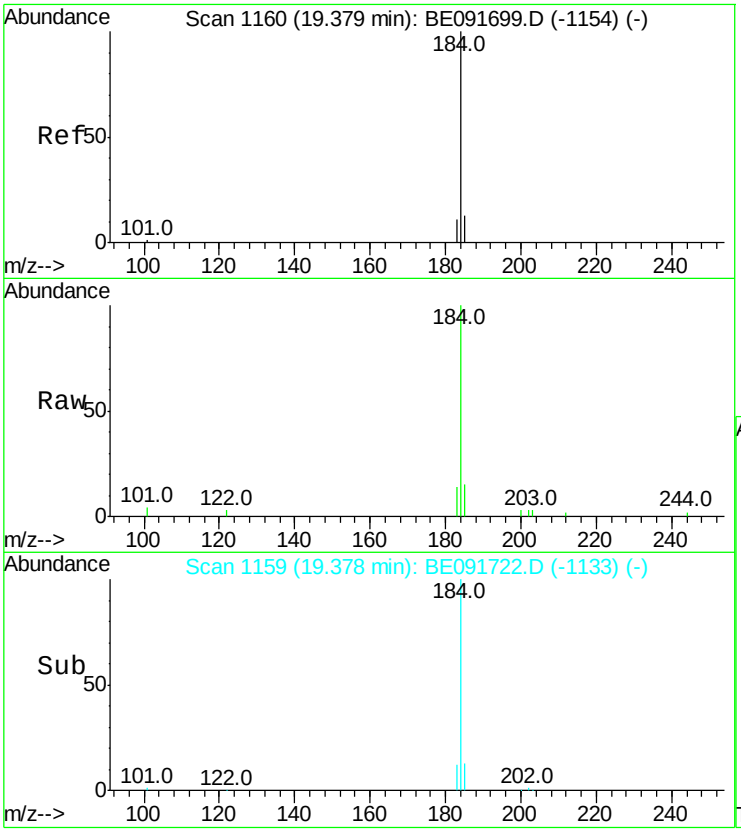


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:240 Resp: 271130

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	22.1	21.7	32.5



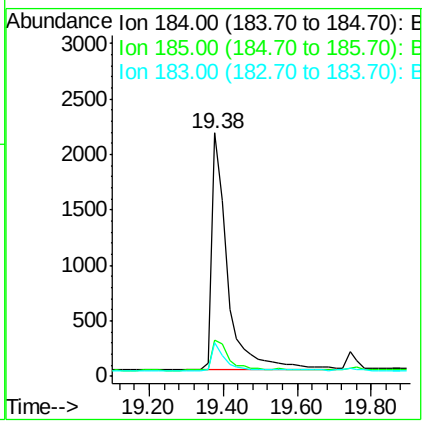


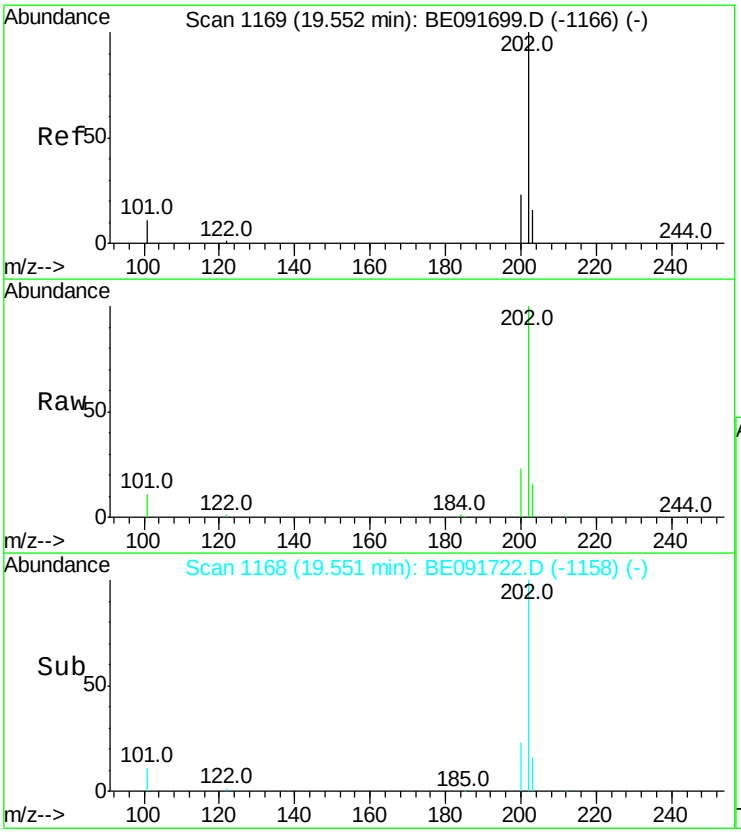
#27
Benzidine
Concen: 0.45 ng
RT: 19.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:184 Resp: 6333

Ion	Ratio	Lower	Upper
184	100		
185	14.8	22.3	33.5#
183	13.8	16.4	24.6#

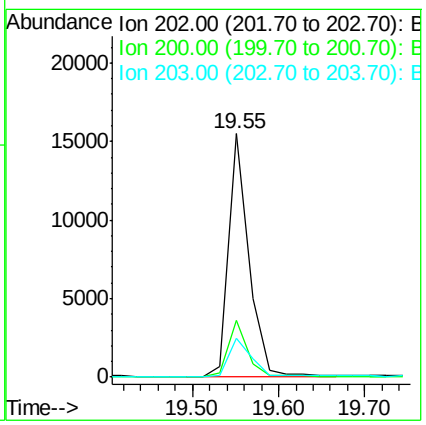


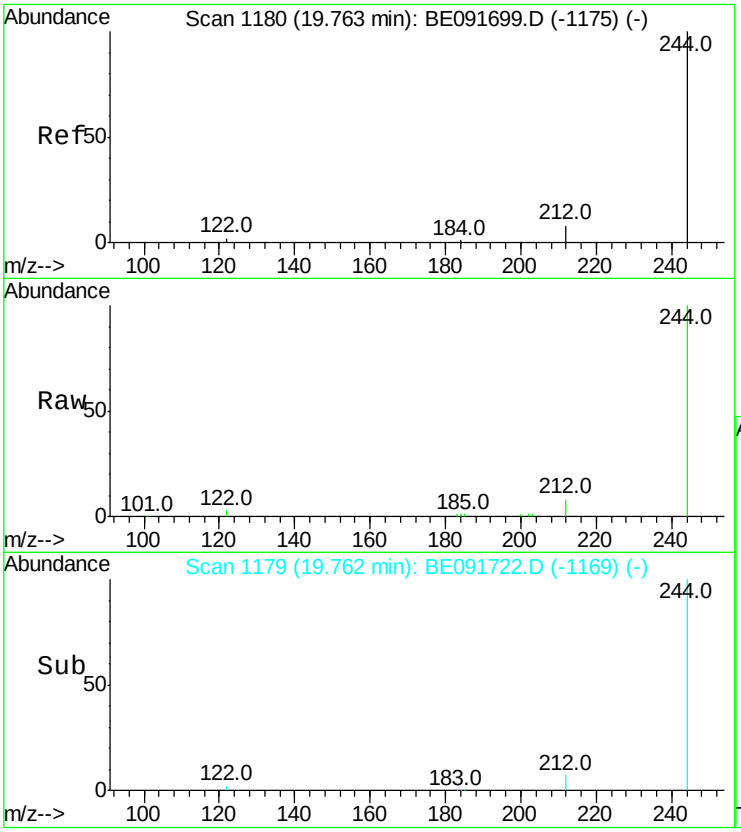


#28
Pyrene
Concen: 0.41 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:202 Resp: 25031

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.8	25.2
203	17.3	14.0	21.0



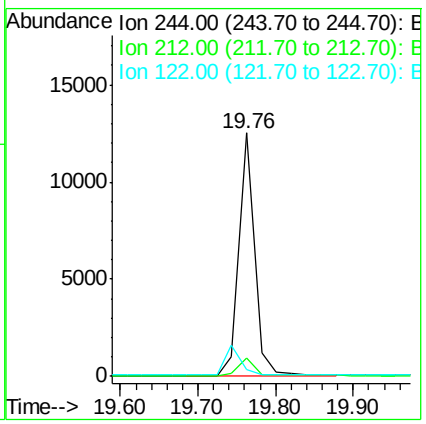


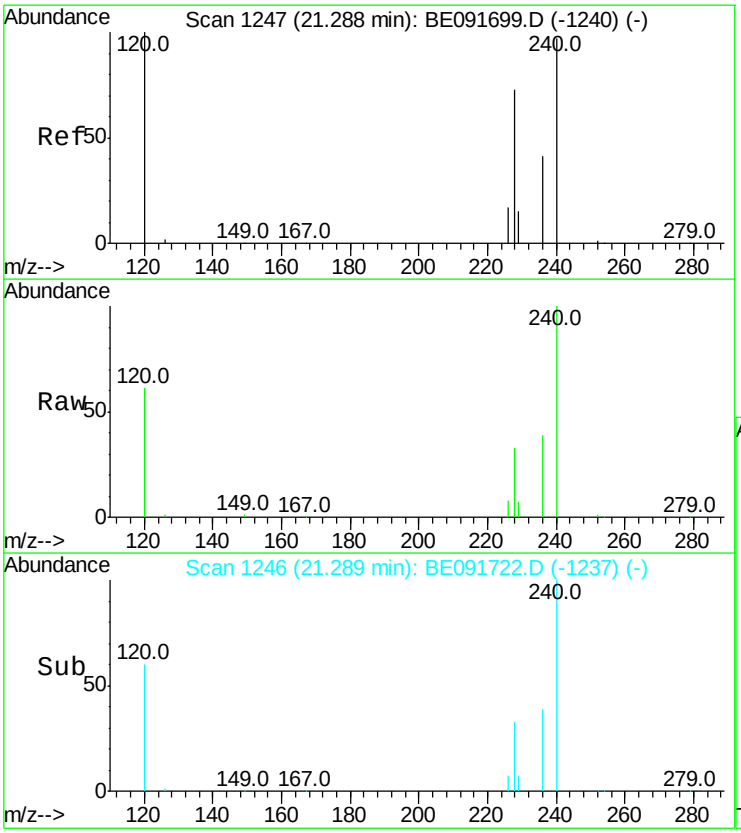
#29
Terphenyl-d14
Concen: 0.41 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 17251

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	2.7	11.0	16.4#

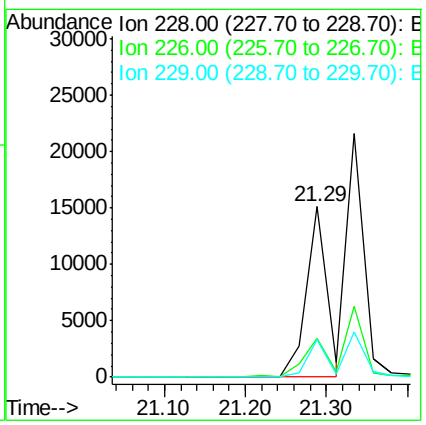


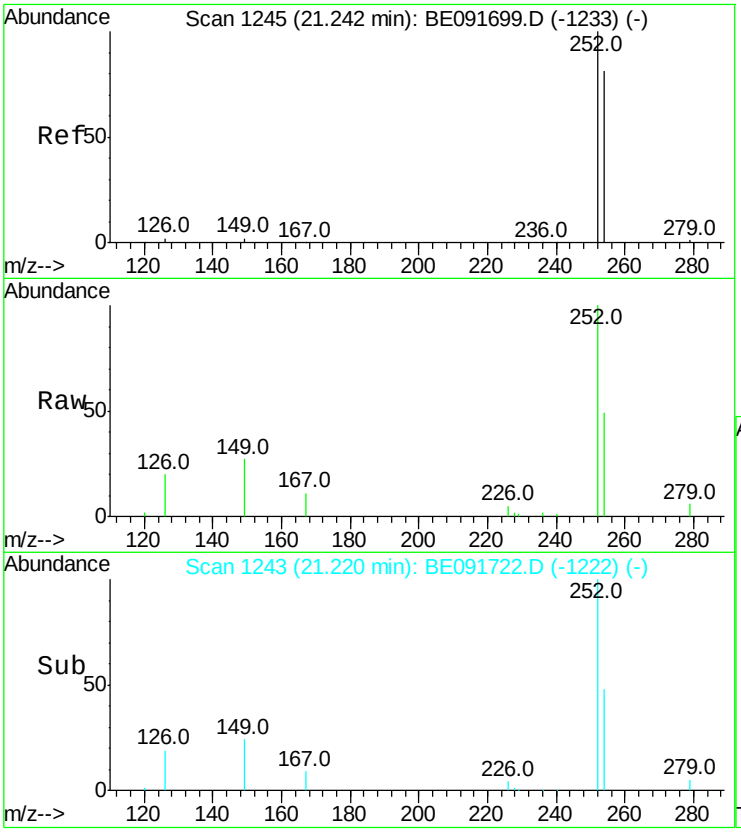


#30
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.29 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:228 Resp: 26347

Ion	Ratio	Lower	Upper
228	100		
226	22.8	21.0	31.4
229	22.3	15.7	23.5



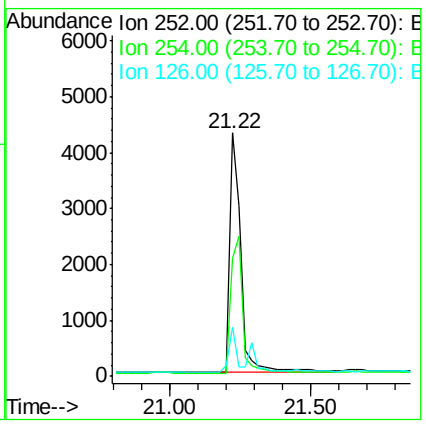


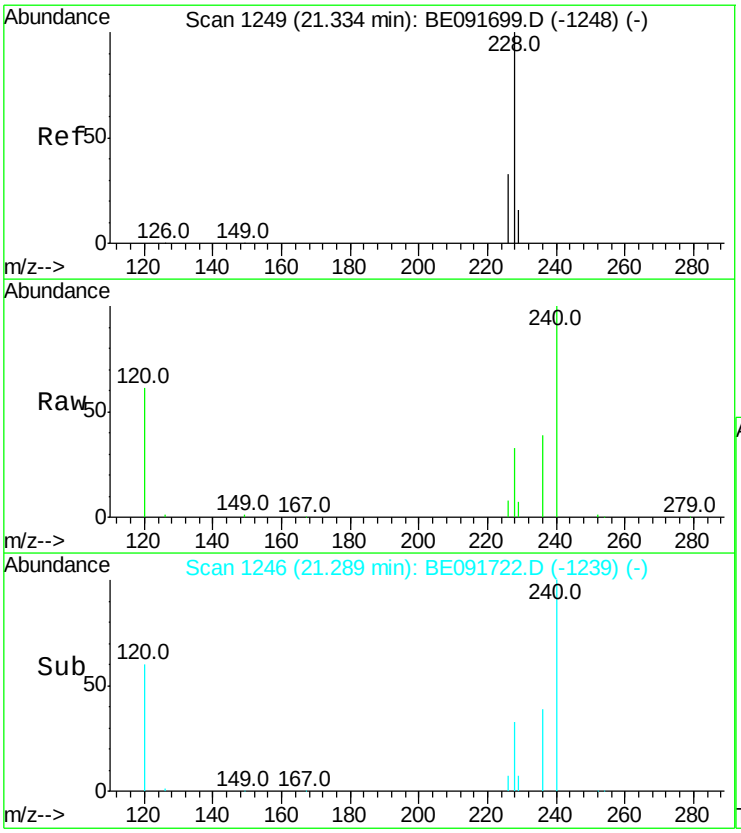
#31
3,3'-Dichlorobenzidine
Concen: 0.35 ng
RT: 21.22 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11818

Ion	Ratio	Lower	Upper
252	100		
254	48.7	51.1	76.7#
126	20.3	12.6	18.8#

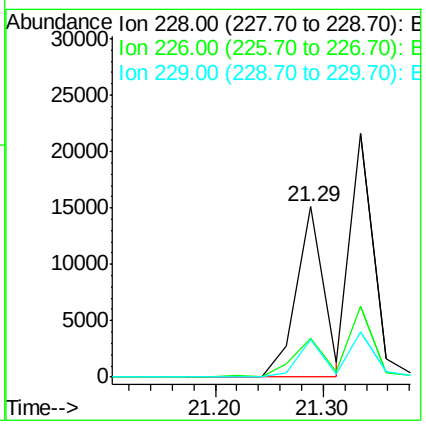


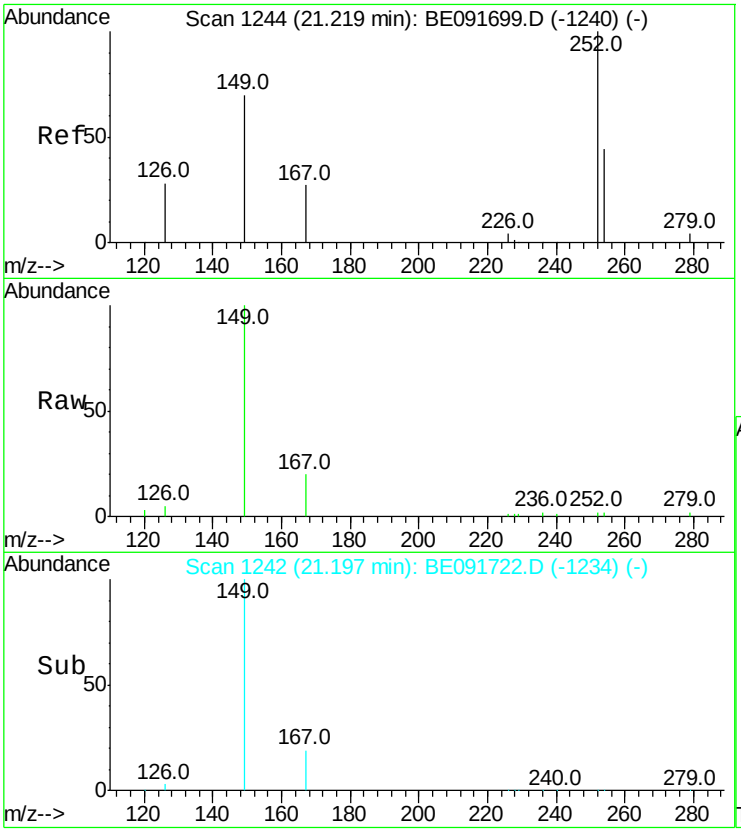


#32
Chrysene
Concen: 0.38 ng
RT: 21.29 min Scan# 1246
Delta R.T. -0.05 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:228 Resp: 26336

Ion	Ratio	Lower	Upper
228	100		
226	22.8	24.0	36.0#
229	22.3	15.9	23.9



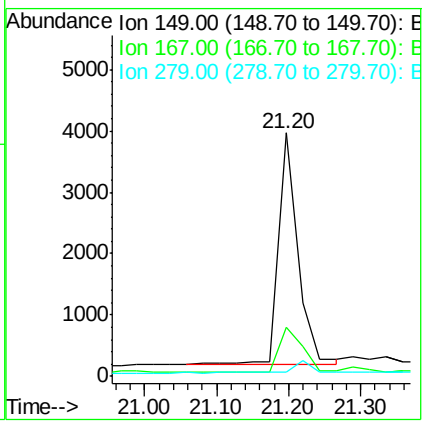


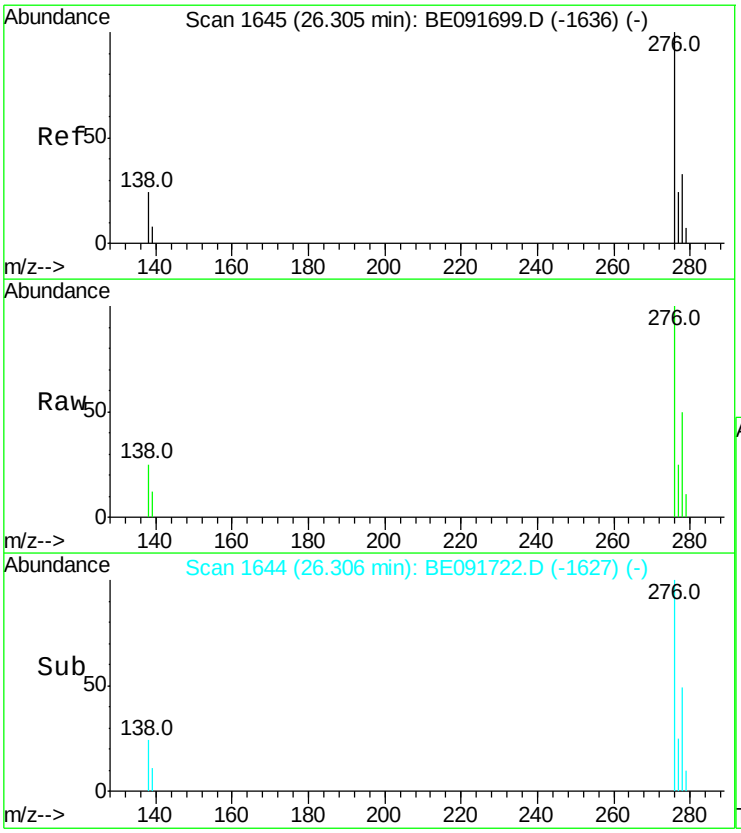
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.35 ng
RT: 21.20 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 6998

Ion	Ratio	Lower	Upper
149	100		
167	23.0	19.5	29.3
279	0.0	10.0	15.0#

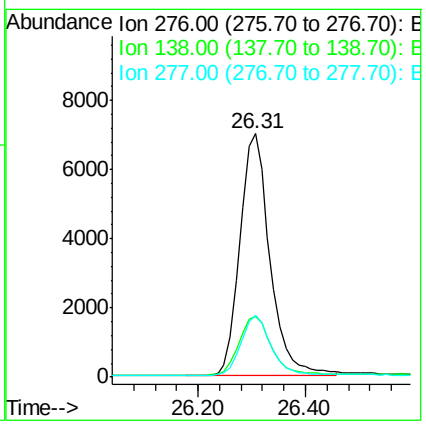


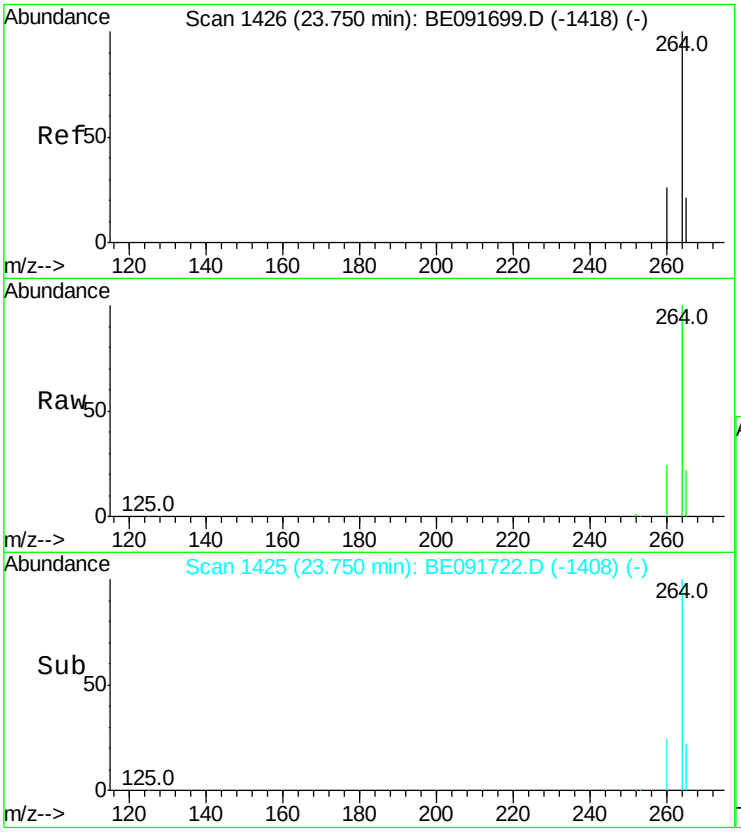


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.31 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:276 Resp: 27057

Ion	Ratio	Lower	Upper
276	100		
138	25.7	23.4	35.2
277	24.8	19.8	29.8



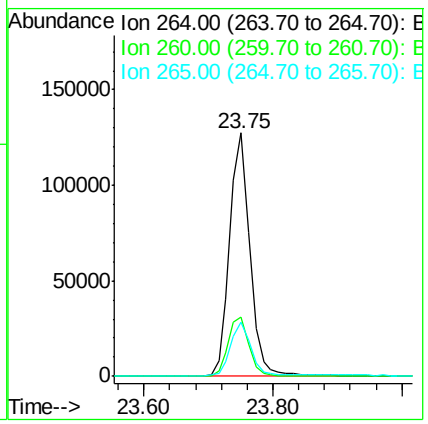


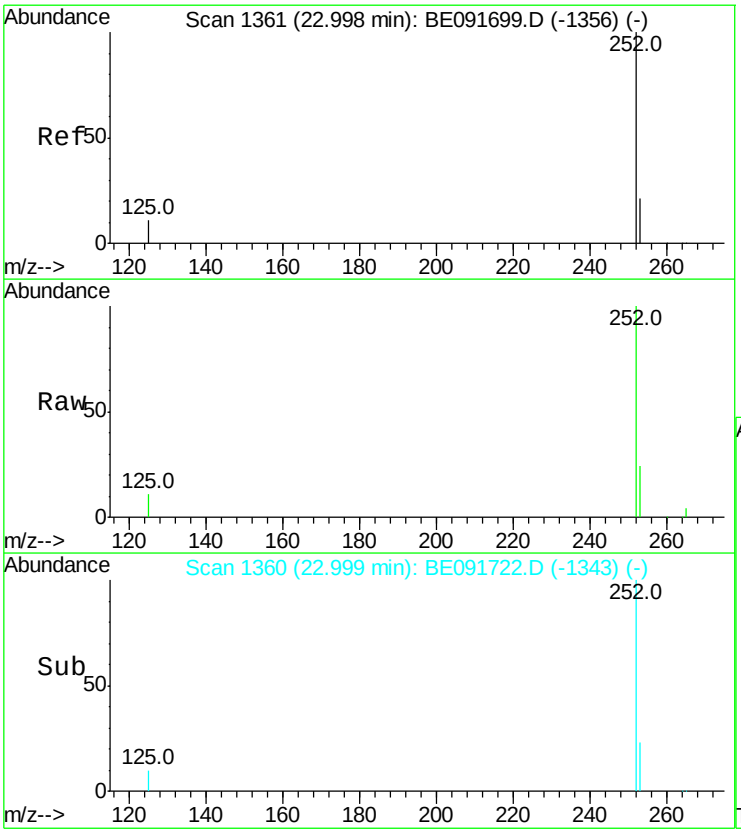
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 276969

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	22.2	17.5	26.3

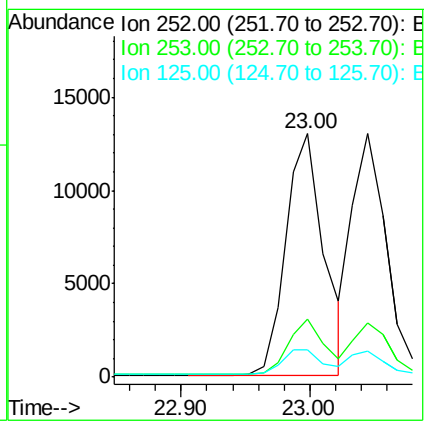


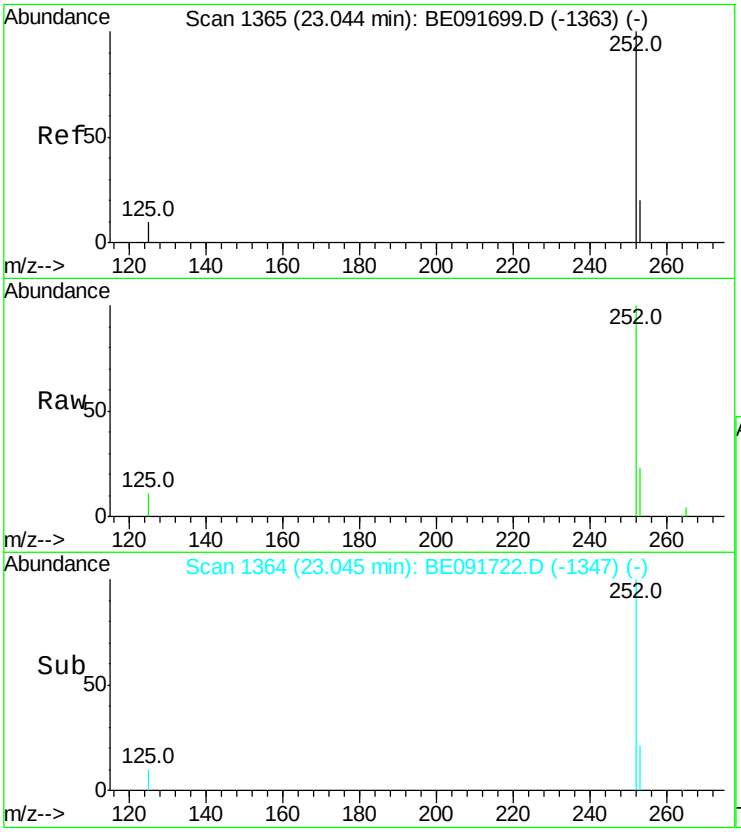


#36
Benzo(b)fluoranthene
Concen: 0.41 ng
RT: 23.00 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:252 Resp: 26672

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	11.4	10.2	15.2



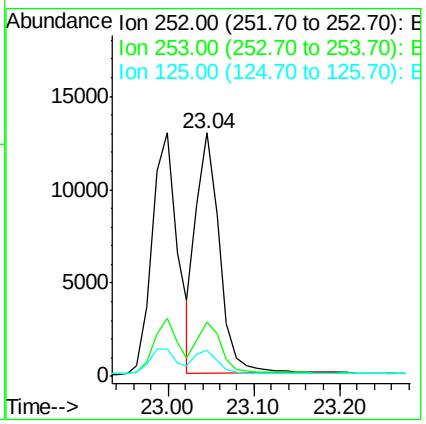


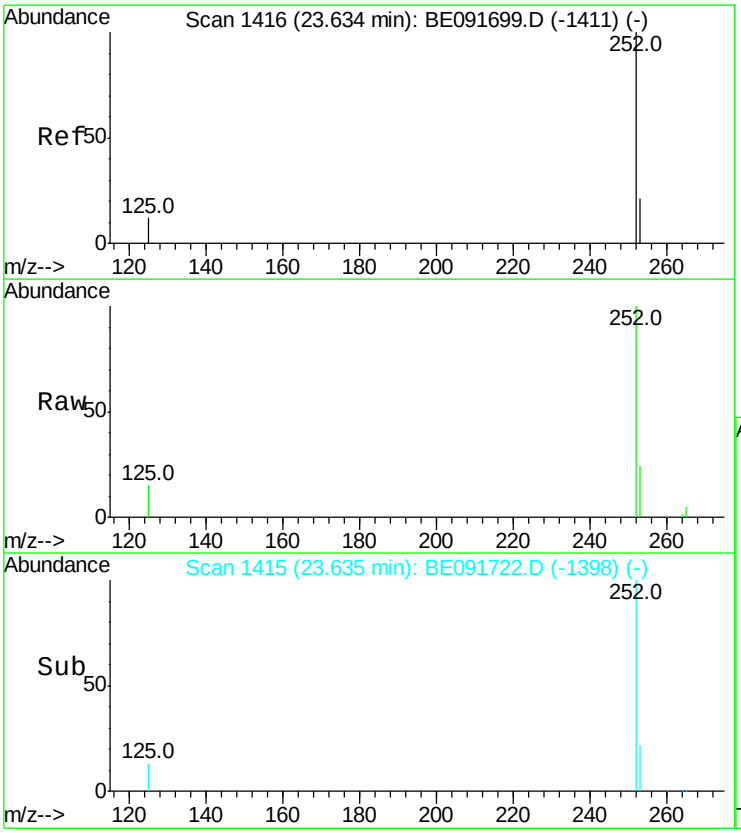
#37
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.04 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 24369

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.7	9.9	14.9

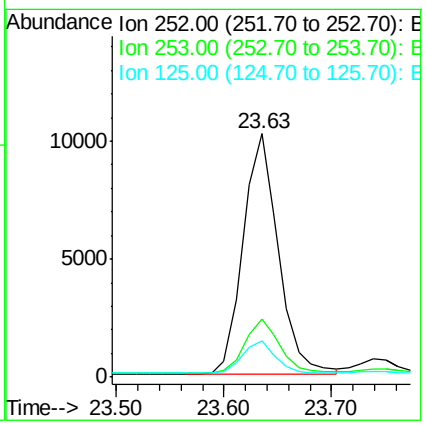


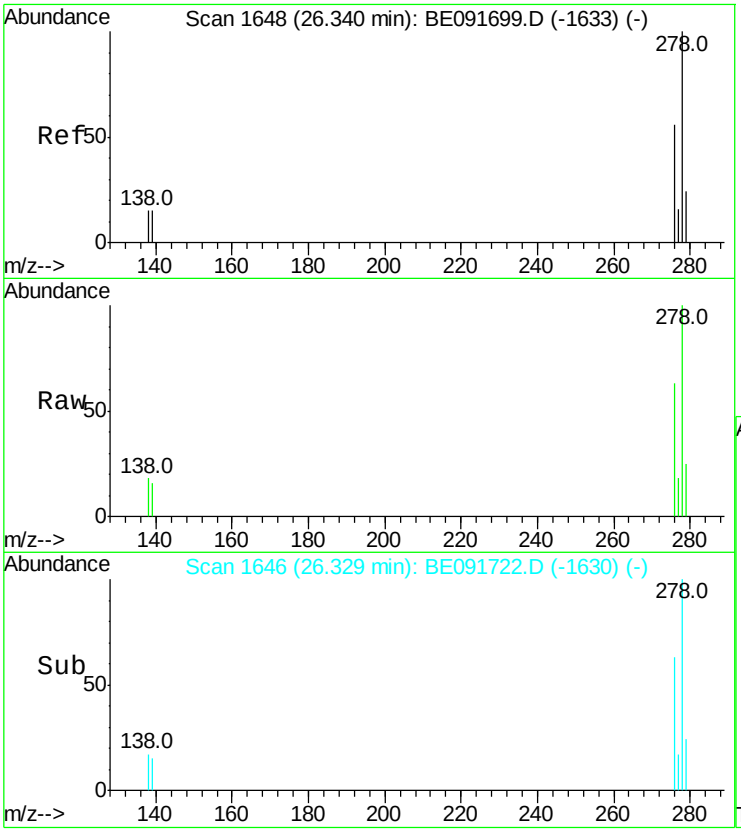


#38
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.63 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:252 Resp: 23195

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.7	11.0	16.4



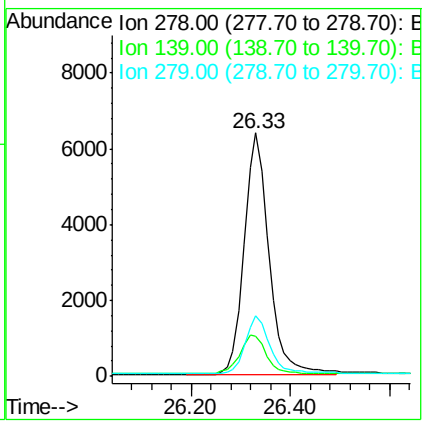


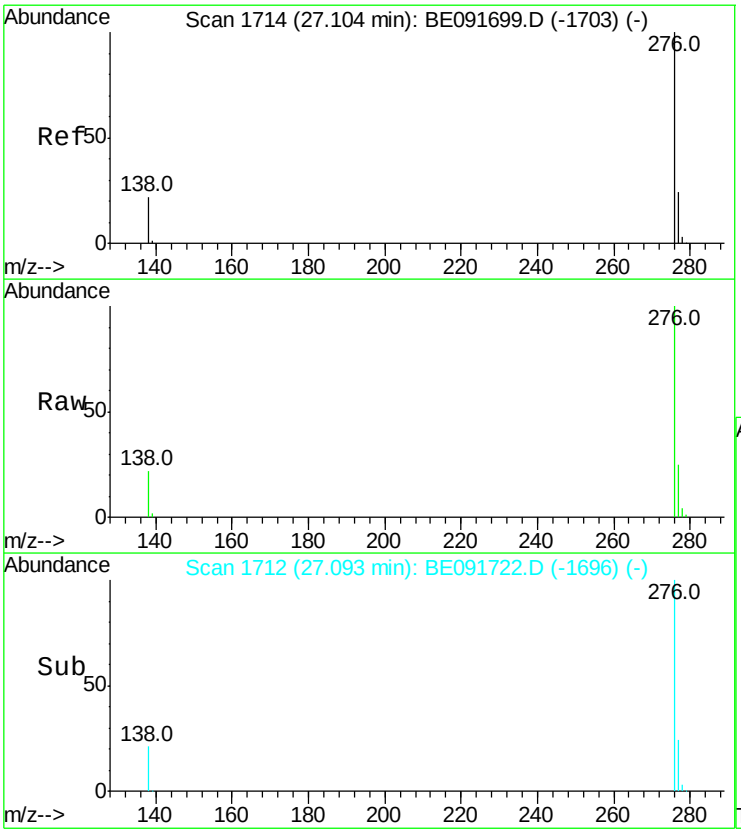
#39
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.33 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 22141

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.0	24.0
279	24.6	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.09 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BE091722.D
Acq: 27 Apr 2016 12:34

Tgt Ion:276 Resp: 23162

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	21.9	20.4	30.6